

<210> 19178  
 <211> 56  
 <212> DNA  
 <213> Homo sapiens

<400> 19178  
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<210> 19179  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<400> 19179  
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 ttaaaaatat attggactgt ttacttattt attatacttt aagttctgga atacatgtgc 120  
 agaacatgca ggtttwtac awaggtahac awgtgcccat ggtggtatgc tgcacccatc 180  
 aatatgtcat ctaggtttta agccccacat gcattaggtta tttgtcctaa tgctgtccat 240  
 cccttgggcc cccacccctt gacaggccct ggtatgtgat gttcccctcc ctgtgtccat 300  
 gtgttctcat tgttcaactc ccacttgtga gtgagaacat gcggcwtttg gttttctggt 360  
 cctgwgtttg ctgagaatra tggtttctag cttcatccaa tgtmmctgga aaggacatga 420  
 actcattctt t 431

<210> 19180  
 <211> 73  
 <212> DNA  
 <213> Homo sapiens

<400> 19180  
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 ctttaaccacc tct 73

<210> 19181  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 19181  
 agattaaagg gggggaggga aaaggagctc ggccgccatt ttcccagtg cgcgccacc 60  
 gctcgccgag ccggcgggag aactgagcac cgtagcgaas cgatcgggtc cgggcgtggt 120  
 ggctcacgcc tgtggtcccs gcamcttttg ggaaggccca ggcgrgtgga tbrcggggtc 180  
 aggakttcaa gaccggcctg cccaacatgg caaaaccccg tctctactaa aaatgcagaa 240  
 aattagctgg gcatggtggt ggccacctat aatctcggct actcgggagg ctgaggcggg 300  
 agaattgctt ggacccgga ggcagagggt gc 332

<210> 19182  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 19182  
 caaagattag ccgggcttgg tgggtgcatgc ctgtaatccc agctactcag gaggctgaga 60  
 caggagaatt gcttgacact ggggtggcaga ggttgacagt agccgagatc gcaccactgc 120



<212> DNA  
<213> Homo sapiens

<400> 19188  
ctgggattat aggtgtaagc cactgcgctt ggtctctttc tttttctttt tctttctttc 60  
tttctttctt tcctttcttt ctttcttcct tccttccttc cctncttctt tccttccttm 120  
ccctc 125

<210> 19189  
<211> 173  
<212> DNA  
<213> Homo sapiens

<400> 19189  
ataatcacca ttctgactgg tgtgaaatgg tatctcattg tggttttgat ttgcatttct 60  
ctaataacca gtgatgatga gcattttttc atatgtttga tggctgcata aatggtytdc 120  
ttttgragaa gtgtctgttc atatccttca cccacttttt gatgggggtg tac 173

<210> 19190  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 19190  
caattcaaca tgagatttag tggtgacaaa tatccaaact ctatcaacct ctaatgctga 60  
cctcactgcc ttctctctg cccaccatca gctttctcct cctcttgat tttttcmaa 120  
ttgctgtcac ccatccgtca gttctcatca acttctcttt ctccttcccc agatc 175

<210> 19191  
<211> 135  
<212> DNA  
<213> Homo sapiens

<400> 19191  
tttttcgagg gttgcctggc aagcctgctc tcgccgccct gtagccgtag aacacatttc 60  
tggaagatga agaaaaacct gcttctctgg ttctaccaa gcagagcccg aracttcttc 120  
caagaacagt gaggt 135

<210> 19192  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 19192  
cttgcatgat gaccgtgaag gcgaaggcag tgacaagtgg gtgagccggg gccggggccg 60  
aggagccttt cctcggggtc ggggccgggt catgttccgg aa 102

<210> 19193  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 19193  
tgtccttagc aatgctttta agataccaaa tgatggccgg gcgcgggtggc tcacgcctgt 60

aatcccagca	ctttgggagg	ccgaggcggg	tggatcatga	ggtcaggaga	tcgagaccat	120
cctgggtaac	aaggtgaaac	cccgtctata	ctaaaaatac	aaaaaattag	ccgggcacgg	180
tggcggggcg	ctgtagtccc	agctactcgg	gaggctgagg	caggagaatg	gtgtgaaccc	240
gggaagcgga	sttgacgtga	gctgagatca	tgccactgca	ctccagcct		289

<210> 19194  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 19194						
aatggagatg	tttatccaat	gcctataccc	ccattgaatc	ttgggggtaa	ctaacttggt	60
tttgatttta	caggctcata	agtgaagg	atttgccttg	tctcagatga	gactttggga	120
acttttgagt	taatgctgga	atgagtcaag	acttttaggg	actcttgaga	aggcatgatt	180
gtagnnttgc	atgtaagaat	gacatctctt	cccctcatga	tgctcctgct	tacatggcag	240
gaacaggagg	aagagataga	gtggaaagag	atttgggaag	agccaggggt	ggnatgatat	300
agtttggaac	ktgtgtccca	kscaaattct	gtgttgvnht	gtagtccaca	atgctggaag	360
tggggcctgg	ggggact					377

<210> 19195  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 19195						
gttgtagaag	taagggtttt	attcagctgg	gagcatcggc	aagctactgc	cttaaaatcc	60
gagctcctcg	agtgcacaat	ttctgtccct	tttaagggtc	catggcactg	aargattttc	120
acatgaaagg	gtcgtgattg	atttgagcaa	gcaaggggta	tgtgacaggg	gctgcatgca	180
ynggtggtct	gagagaaaca	gdacagggca	gggagtttca	caatgttctt	ctatacaatg	240
tctggaatct	atgaataacg	tcgggtttcta	agtcatgagt	tgatttttaa	ctactaggtt	300

<210> 19196  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

<400> 19196						
tgtttttcat	atgttggttg	agttggtag	ctagtatttt	gttaaagatt	ttagcatcaa	60
tgttcatcaa	ggatattggt	ctgtagtatt	cttttttggt	tatgtccttt	cctgggtttt	120
gttattaggg	tgatgctggc	tat				143

<210> 19197  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 19197						
tccaaaaagg	agttagtatt	ttctgatgat	gactgtgcac	cacttgctga	gctttgtaaa	60
gggcttaatt	ttgtttcttt	ttgtatcata	ctattccaga	aaaggtagct	agtaggtatt	120
ttwtccttac	caaaagatgg	gcatgcttga	agtaaattgg	tcaattataa	gagtgtggc	179

<210> 19198  
 <211> 207  
 <212> DNA



<213> Homo sapiens

<400> 19198

cagtgggtgcg	atctcggctc	actgcaagct	ccgcctcccg	ggttcacgcc	attctcctgc	60
ctcagcctcc	tgagtagctg	ggactacagg	cacctgtcac	cccgccccagc	taattttttg	120
tatttttagt	agagacagg	tttcacccatg	ttggccagaa	tggctctgat	ctcttgacct	180
tgcgatccat	ccacctcggc	ctcccat				207

<210> 19199

<211> 161

<212> DNA

<213> Homo sapiens

<400> 19199

tattattata	ctttaagttt	tagggtagat	gtgtacattg	tgcaggtag	ttacatacat	60
atacatgtgc	catgctgggt	tgtgtcaccc	actaactcgt	catctagcat	taggtgtatc	120
tcccaatgct	atccctcccc	actcccccca	ccccccaaca	a		161

<210> 19200

<211> 159

<212> DNA

<213> Homo sapiens

<400> 19200

attttcttga	tattttcctt	ttcactgtgt	gtttagtctc	tttctgatag	tcatattaag	60
aggatgttgg	gcttcatgac	atcactccct	gttttttatc	gcttcaactt	tttattctat	120
tctgtgagat	ttccttgact	tcagattccc	agcccatct			159

<210> 19201

<211> 153

<212> DNA

<213> Homo sapiens

<400> 19201

tttgagacag	agtttcactc	ttgttgccca	ggctacagtg	caatggcacg	gtcttcgctc	60
accacaacct	ccgcctcctg	ggttcaagcg	attctcctgc	ctcagcctcc	cgagtagctg	120
ggattacagg	tatgcaccac	cacacctggc	taa			153

<210> 19202

<211> 512

<212> DNA

<213> Homo sapiens

<400> 19202

aaattgaaa	taaactctta	ccatcatttt	aactggataa	aaagtgaagt	gtctaaagat	60
gtatatattt	ggcacgtttg	agttcacaag	aggaagaaca	aattttctagc	caggaaaacc	120
atgaaaggat	tccaaacaga	gattaaactt	gtccttttag	gataggtaat	gagtccagaa	180
ttgggtgggtt	cttgggtttt	ctgacttcaa	gaatgaagcc	acagaccctc	gcagtgaagt	240
gttacagttc	tnaaagatgg	tgtggctgga	gtttgtttct	tcagacgttc	agatgcgtct	300
gaagttttct	ccttctgggt	ggttgggtgg	ctgcctgact	tcaggagtga	agctgcagac	360
cttcgagggtg	agtgctacag	ctcactaagg	cagcgtggac	caaaagagtg	agcagcagca	420
agattttattg	tgaagagcaa	aaagagcaaa	ccttaaacag	cttgggaagg	gascctagag	480
ggttgmagca	gctgggctagg	tggcctgctt	tt			512

<210> 19203  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

<400> 19203  
 tgagatgatac aaagcttctg gtattttcac caaatccaga gtacctgaga aacatggtaa 60  
 aactagcaag aagaaacaag ggaaaggagg cagataatta atgcaggctc aagaagcatc 120  
 cttgaagagg tagcagcagc agaggagtga gagtgtgaag aagctgatgt gagtgtatga 180  
 gacagacact cataatagaa aagtagcaac tgaccagtac agcagtctgt ggagaggcc 239

<210> 19204  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<400> 19204  
 tgataattgt tgattttctt ggatatagtc agaattaaaa ttgaaaaatc ctcacccatt 60  
 atttctttta atatatattt ttttcagtc atctcctttc cttcaggagc tccagkhaca 120  
 tgratattag gctgattgat gttgccccac aactattgat aatctgttta tctccatttt 180  
 tttcttcttt tgtcttgttt tgaacagttt ggttgctata tcaagttcac tattcattct 240  
 tctgaaatat ctactgtgat agcagtctcc tccagtgt 278

<210> 19205  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 19205  
 gctaattttt gtatttttag taaacatggg gtttcatcat gttggccagg ctggtctcaa 60  
 actcctaacc acatgatcca cccacctcgg cttcccaaaa tgctgggatt acaggtgtaa 120  
 gccaccgcgc ccggccaa 138

<210> 19206  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<400> 19206  
 ctgatttagc atgtgcatcc tagaatagaa acgaacatct ttggccagggt gcagtggctc 60  
 atgcctgtaa tcccatcact ttggctgggt ggatcacttg aggtcaggag ttcaagacca 120  
 gcttgcccaa catggcgaaa cccggctctc actaaaaata caaaaattag ctgggtatgg 180  
 tcgcaggcac ctgtaatccc agccactcag gaggctgagg taagagagtt gcttgaacct 240  
 gcagagattg cagtgagccg agatcacgcc accgcactcc aagcctgctg ggcgacaaag 300  
 cgagactgtc tcaaaaaaaaa agaagtagtn ctaamabyca agtttttaggt tatctggtgc 360  
 cgtcagttta aaagacacat ggatttaata gcagacagggt gcttaaaaaa aaamgcattg 420  
 agttcctgcw aatatgmaag gvccagcatg wtawhmgtaa tagtgscnwa aagtgmtggw 480  
 atactaggca ghaaaagctc ttctttt 507

<210> 19207  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

<400> 19207  
 tgacaggagt atgtacagaa aattcaagtt ttgtttgaga cttcataagc ttggtgcatt 60  
 ttttaagatgt tttagctggt caaatctggt tgtctcttga aacaatgaca ca 112

<210> 19208  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<400> 19208  
 ctggagcagt gtagtcctgt gaactgcagg caactacaaa ctggattcag ggttttgtgya 60  
 ggaccgcggg acgaggctgc agtgggtcatg gggaccattg gtcccagctt accctttccc 120  
 cattagaagt agtccttcct gactccaggc caccac 157

<210> 19209  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 19209  
 tgcagaatgt ataaagaact ctctaaattc aacagaaaag aaaaatctcc aatcagaaaa 60  
 cagaaaaaaaa aacactttac caaggagtat atatgtatgg caaacatgca gataaaaaaa 120  
 attcacatca ttagtcatta gagaaatgca aatttcctta atgatgaaat attactaaaa 180  
 gctgtgatga gatattacta cacatctata agaattgatta aaagaaaaac aattagctgg 240  
 gctcgggtggc tcacgcctgt aatcccagca cttttggagg ccgagacagg gtttcaccat 300  
 gtttagccagg atgaccttga tctcctgacc tcgtgatccg cccgc 345

<210> 19210  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 19210  
 ctctgtttcc caggctakag tgcagtgaca tgatcttggc tcaactgcaaa ctccgcctcc 60  
 cgggttcaag agattctcct gcctcagcct ctgagcagct gggattacag gtgcccgcca 120  
 ccgtgcccg ctaatttttg tatttttttag tagagatggg gtttcaccac cttggccagg 180  
 cgcggtggct 190

<210> 19211  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<400> 19211  
 agcaattctc atgcctcagc ctcttgagta gctgggatta cagggtgtgtg ccaccatgct 60  
 tggctaattgt ctttttttgt gtgtattttt ttttgtattt ttaggagaga tggggtttca 120  
 ccatgtttgt caagctggtc ttgaactcct gacctcgtga tccaccacc ttagcctccc 180  
 aaagtgtctg gattacaggc ctgagccact gmacccgccc 220

<210> 19212  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 19212  
gacagtgggtt ttttttttgt ttttttttac cttttaagct caggggtacc agtggaggtt 60  
tggtgcatag gtaaacaggg gtttgttgta catattattt catcaccag atattaagbh 120  
tagtaccad smgttatctt tcgkgatcct ctccctcccc tt 162

<210> 19213  
<211> 92  
<212> DNA  
<213> Homo sapiens

<400> 19213  
gcttttagtct cctgagtaac tgagactaca ggcattgtgcc actgcacctg gctaactgtt 60  
gtatttcttt cttttttttt tttttttttt tt 92

<210> 19214  
<211> 313  
<212> DNA  
<213> Homo sapiens

<400> 19214  
tacttctatc gtgtgcctgt gtggtttaag cttatccaaa tgggtgactct tttcaaggctc 60  
aaaaccactg atcatgtttt ttgtattctt gttttttata gaaattttgt agaggaaaaa 120  
ctgggtgcga agtttgtgta gaggaccaga ttggacttag ttaaagcatt cgaagaaagc 180  
agcccagcca ccccatatt cttcatcctg tctccggggg tagatgccct taaagacctg 240  
gagattcttg gtgagtggct gggaggctcg ctggcccgcc ctttctccct vnctcnnttt 300  
cacccccacc cct 313

<210> 19215  
<211> 127  
<212> DNA  
<213> Homo sapiens

<400> 19215  
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cctctgcctc ccagggttcaa gcgattctcc tgcctcagcc tcccagtag ctgagactac 120  
aggcgca 127

<210> 19216  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 19216  
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gaactgctgg ccaatgaagt tcctccaaac acatgttttc tttttaatct tttttttttt 120  
tt 122

<210> 19217  
<211> 177  
<212> DNA  
<213> Homo sapiens

<400> 19217  
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tggtttctga agatactgac aaagggaaag agggcaagtt aatcagcccc acttactagt 120  
tcatgaactt taccaatgag ttcccccttat gtctctcttt tttttttttt ttttttt 177

<210> 19218  
<211> 135  
<212> DNA  
<213> Homo sapiens

<400> 19218  
ccatttttct gcctcagcct cccaagtagc tgggactaca ggcccccgcc accacgcccc 60  
gctaattttt ttgtattttt agtagagacg gggtttctct gtgttagcca ggatggtctc 120  
gatctcctga cctct 135

<210> 19219  
<211> 304  
<212> DNA  
<213> Homo sapiens

<400> 19219  
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tttattcatt gagtgcttcc caaagctagt gagtggtctg aagttcccag acaacgctac 120  
tactagtttt gtatataaaa ataaggagac attattatta tattcttaat agatacaggg 180  
tcttgctaca ttgccaggc tgggtctcaa ctcatagcct caaacagtct tcmcgcttg 240  
gcctcccaaa ttgttgagat tacgtgcttg attcactgtg ctgggccacg gagataatct 300  
tgaa 304

<210> 19220  
<211> 187  
<212> DNA  
<213> Homo sapiens

<400> 19220  
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aactcctgac ctccaggtgac ctgccagcct cagcctccca aggtgctggg attacaggtg 120  
agagccaccg cctctgtctt gctctgtcac ccaggctgag gcaggagaat ggcgtgaacc 180  
cgmghga 187

<210> 19221  
<211> 182  
<212> DNA  
<213> Homo sapiens

<400> 19221  
caaagaagaa aaaaaattag ccaggagtag tgggtggacac ctgcagtcct ggctacttgg 60  
gaggctgaag cagaagaatc acttgaaccc aggaggcaga ggttgtagtg agccgagatc 120  
gcgtcactgc actccagcct ggggtgacaga atgagactcc atctcaaaaa aaaaaaaaaa 180  
aa 182

<210> 19222  
<211> 137  
<212> DNA  
<213> Homo sapiens

<400> 19222

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gtgcgctgca	cccactaact	cgtcactctag	cattaggtat	atctcccaat	gttatccctc	120
ccccctcccc	ccatccc					137

<210> 19223  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 19223						
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gattctcctg	cctcagcctc	tggagtgsct	ggggaattgc	aggcacctgc	caccacgcct	180
ggctggTTTT	tgtatTTTTa	gtagaaacgg	ggtttcgaat	cttggccagg	ctggvtctca	240
agctcctgac	cttatgatcc	acctgcctgg	accaccc			277

<210> 19224  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<400> 19224						
tttctgtgaa	gaatgkcatt	agtgttttga	tagggattgc	attgaatctg	tagattactt	60
tgggtagtat	ggatatttca	acaaaactga	ttcttccaat	ccatgaacgt	ggactatctt	120
ttccattttt	tgtatsyytc	aattttttgc	aatcagtggt	tttkgttttt	ggtttttgag	180
atggagtttc	actcttgttg	cccaggctag	aatgcaaggg	tgtgatcttg	gctcaccgca	240
acctacc						247

<210> 19225  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<400> 19225						
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gccctccggg	ttcacaccat	tctcctgcct	cagcttcccg	agtagttggg	actacaggcg	120
cccgccacca	mgcccggct					139

<210> 19226  
 <211> 76  
 <212> DNA  
 <213> Homo sapiens

<400> 19226						
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tttttttttt	tttttt					76

<210> 19227  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<400> 19227						
acattttaag	taatattttt	agtttttatt	tttagacagg	gtctcactct	gtcaccacga	60

004229.662750

ctggagtgca	ttgcagcctc	caactcctgg	gctcaagtga	tcctccctcc	tgctttggcc	120
tctcanggag	ctagaactac	aggtgtgcac	caccacacct	ggctaatttt	tttttttagag	180
gcagggcctc	gttacgtttc	ccaggccct				209

<210> 19228  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<400> 19228						
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ccagcgct	gggaggcc	gggtggcg	tcaccagag	acaagagt	aagaccagcc	120
tggccaac	ggtgaaac	cgtctctac	aaraaatca	aaaratac	ctgctcaaga	180
agctgagg	gaagaatgg					200

<210> 19229  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 19229						
tgaactac	ttttagat	caccattcaa	gacataag	tagggcgggg	cacggtggct	60
cacgctgt	tcccagcact	ttgggdggcc	aaggtgggtg	gatcacctga	ggtcaggagt	120
ntgagacc	cctgaccaac	atggtgaaac	tctgtctcta	ctaaaaatac	aaaaattagg	180
tgtggtgg	cgcgctgt	atcccagcta	ctcaggaggc	tgaggcagga	gaatcaccca	240
ggaggtgg	gttgcagtga	gccaagatca	catcadtgca	ctccagcct		289

<210> 19230  
 <211> 58  
 <212> DNA  
 <213> Homo sapiens

<400> 19230						
aaaaaagaaa	tcatgtttaa	tactatttca	atcaaacatt	atcttttttt	tttttttt	58

<210> 19231  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<400> 19231						
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tttgctgtgc	agaagctctt	aagttaaatt	agawtcccaa	tttgtcaatt	tttgttttta	180
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attgctagtt	tgtcttccag	gatttgggtt	ttatatataa	gtcttttagtc	taccttgagt	300
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<212> DNA  
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acagggc 127

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<212> DNA  
<213> Homo sapiens

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atgggtggcca ttagctacat gtggctattt tagracttaa attaaataaa attaaaaatt 180  
cagtttctca gtcacactag ttacatttca agtgcttagt agccacacat ggctagtggc 240  
tactgtatta tccaatgaat atatagaaca tttccattgt cacagaaagt tctgtgggac 300  
agcattgaca taggaagtgc tcagtaaatg ttggtaagggt aagttaagga tatatgaatt 360  
acntgtgttt gtttgttttg agacagagtt ttgctctatt gcccgagatr atctcggctm 420  
actgcaacct ccaccttcta ggttcaagta attcttgtgc ctcagcc 467

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<212> DNA  
<213> Homo sapiens

<400> 19235  
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gcaggagagt ggcgtgaacc cgggaggcag ggcttgcagt gggccgagat tgcgccactg 120  
caccagctt gggcgacaga gcgagactcc 150

<210> 19236  
<211> 71  
<212> DNA  
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tttttttttt t 71

<210> 19237  
<211> 101  
<212> DNA  
<213> Homo sapiens

<400> 19237



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<210> 19238  
<211> 158  
<212> DNA  
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<400> 19238  
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cacgatcact gcaagctctg cctcccagg tcatgccatt ctctgcctc agcctccaga 120  
gtagctggta ctacaggcgc ccgscasca caccggc 158

<210> 19239  
<211> 156  
<212> DNA  
<213> Homo sapiens

<400> 19239  
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brattgtgcc actgcactcc agcctgggca aactct 156

<210> 19240  
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<212> DNA  
<213> Homo sapiens

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ttcactactt ccttagagaa agtcttgcta ttaaaaaaaa taaaaaagtc atctgaactc 120  
atcagttctg ctttagtama atttggttyt agcaccatta aatttttgca ggtagcagc 180  
aaggtaaaga gcttgacaa gaatactaag cgactatc actaagcaga actgatgagt 240  
tcagatgact ttttt 255

<210> 19241  
<211> 133  
<212> DNA  
<213> Homo sapiens

<400> 19241  
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gcagaagctg aaaaggctga agcgcaaagg ttggcggcga ttcaaaggca gaacagagcaa 120  
atgatgcagg aaa 133

<210> 19242  
<211> 377  
<212> DNA  
<213> Homo sapiens

<400> 19242  
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atttctcgcc attccctcct cccctcagc ttctacaggc accagtctgt tttctgtctt 120  
tgtggattta tgaatagctc atacaaatgg aagsatacaa cgtgtagctt tttgtatcca 180



agtttgaagt gatgtactta atttgggatg tctaggaagc attcttctgt gtgtttctga 180  
tttgcatttt ttttttt 197

<210> 19248  
<211> 478  
<212> DNA  
<213> Homo sapiens

<400> 19248  
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ataatgggta tgtacctgta ttagttttct agggctgctg tcacaaatta ccataaattg 180  
agtggcttaa aacagcagta atttattctc tcaccgttgt ggaggccaga agtctgaaat 240  
caaggtatag gcacggccat gctatcccca gaggttctag ggtagaacc atcctgtctt 300  
ccagsttctg gtggttynyag gaagtctttg gcttgtgaca gtatcactgc aatctctgcc 360  
tttgtcttca catggctttc ttccttgtgt ctctccagtt ttctgaggcc tttgnnttat 420  
gaggacacca gtcagatttt gtgcccaccc taaatccagg actgtatcat tttaagat 478

<210> 19249  
<211> 232  
<212> DNA  
<213> Homo sapiens

<400> 19249  
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ctattagttt ttgccgcaga twttttgatg tyctgttgtt aatcacatac acattaagaa 180  
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<210> 19250  
<211> 88  
<212> DNA  
<213> Homo sapiens

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tttttkkact tttttagag acaaggyt 88

<210> 19251  
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<212> DNA  
<213> Homo sapiens

<400> 19251  
agatgacagg cgggaaatat gtttgaagtc tttttttttt tttttttttt 50

<210> 19252  
<211> 136  
<212> DNA  
<213> Homo sapiens

<400> 19252  
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aatggtctgg attttacaat tttacataaa agaacatttg cagtctgaat gcaaaaagaa 120

004220"666T550

aggaggtggg ggagtt 136

<210> 19253

<211> 127

<212> DNA

<213> Homo sapiens

<400> 19253

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agccaccaca	cctggcctat	gactaaattt	taaatccac	ttcaattatt	tggtccttgc	120
ccagcca						127

<210> 19254

<211> 327

<212> DNA

<213> Homo sapiens

<400> 19254

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aaattatcaa	cagttcaata	cacttttcgt	aaagttcaaa	taactaaaat	actgggaata	180
tatataaatg	caatacaact	gcatgaaaag	gaaagcagtg	gaatgattaa	caaaagattc	240
aagaggctgg	gtgcaatggc	tcatgcttgt	aatctcagtg	ctttgagagg	ccaaggcagr	300
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<210> 19255

<211> 169

<212> DNA

<213> Homo sapiens

<400> 19255

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tggtgagtgg	aaagtaagga	aagaattaga	gacagcaagt	gttaagttga	gcgtggtagg	120
aaaaaagaga	tgacagatac	taaatcgtgc	attgggggtg	aggggagtc		169

<210> 19256

<211> 105

<212> DNA

<213> Homo sapiens

<400> 19256

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<210> 19257

<211> 206

<212> DNA

<213> Homo sapiens

<400> 19257

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acgtttttct	aattgggtta	gcttatttta	agtaggtagc	cattcatcca	ttcattcaar	120
tttgcttccc	cactaagttt	tggctaaagc	ctgctcttta	ggagtgtctg	agacagagaa	180
atttcttttt	tttttttttt	tttttt				206

<210> 19258  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 19258  
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 gcttattttt tgtagaaatg gggkttcccc atggttgctc aggcttgtcc tgaactcctg 180  
 ggcaa 185

<210> 19259  
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 <212> DNA  
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<400> 19259  
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 gtagtcatat ttatgaaaaa aggtttgtgt tttactcttg ctagtgagaa aagtgggacc 180  
 a 181

<210> 19260  
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 <212> DNA  
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<400> 19260  
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 ctttgggtat atattgagta atgggratta ctggadthc kgttttwagg tctttgagga 180  
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<210> 19261  
 <211> 78  
 <212> DNA  
 <213> Homo sapiens

<400> 19261  
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 ggtacttttt tttttttt 78

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 <211> 99  
 <212> DNA  
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<400> 19262  
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 tgactgcact agttttccaa aaatggttct tttcttttc 99

<210> 19263  
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<212> DNA  
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ttttttttt ycttttgagt tggattctca ctttgtcacc cacggc 106

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<213> Homo sapiens

<400> 19264  
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ggcaaggctg aagaccacag tcacttttac aatcaactta cccaaacttc atggagtcgt 120  
ttcttcagat gaagtaatct gctattaatg gtgcttcccc tccacccta aatctaagct 180  
gtgcaaacat taactcattt tatcattgca aaatagaatt tttctttttc tttttttttt 240  
ttttccca 248

<210> 19265  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19265  
atctcatcct gaaaccatcc tcacagacac acccagaaat aatgattaat ctaaacacac 60  
tgtgactagt caaactgaca aata 84

<210> 19266  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 19266  
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<210> 19267  
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<400> 19267  
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tacaacccca actgaccaca agagaaccaa gggtktagtc tggcaata 108

<210> 19268  
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<213> Homo sapiens

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tggctttgaa ctctgactt catgtgatct gccc 94

031990

<213> Homo sapiens

<400> 19274

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<210> 19275

<211> 138

<212> DNA

<213> Homo sapiens

<400> 19275

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atattgtatt tttagtagag acaggatttc accatattgg ccaggctggg ctcaaaactcc	120
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<210> 19276

<211> 202

<212> DNA

<213> Homo sapiens

<400> 19276

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aagagtggac actgttaggt gccagttcag tggccagggt aaaggatcatg gtagctcaca	120
ctaggatcgg cagtggagac aaacaggcag gcgattacag tgtatctggg agagaacatt	180
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<211> 138

<212> DNA

<213> Homo sapiens

<400> 19277

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agascaaacc agcaccct	138

<210> 19278

<211> 198

<212> DNA

<213> Homo sapiens

<400> 19278

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gtgagccgat atcacgccac tgcaactccag ccttgccgac agagcaagat tccgcctcta	180
aaaaaataaa atamataa	198

<210> 19279

<211> 244

<212> DNA

<213> Homo sapiens

<400> 19279



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gtcccccttt	ttttgcctat	aaaagccttc	ttgtaayaaa	ggctcatatt	taagggttact	180
tgggtctgag	tcttccaggc	agctgttctt	atcttggttc	tagtaaaactc	tttttktttt	240
tttt						244

<210> 19280  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

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agttttgcca	ataaattgcc	ccagctcttt	agtctctggg	aaagatccct	tcattgttaac	180
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ctcaacatta	tatgtattac	catccacctc	taaagtctcc	tctgcatagc	acagagttta	300
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ctcagcagat	gcttaanaga	caagt				145

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aatttgtgat	atttttgggt	aacattccaa	agcatcgtgc	acagaatgtg	ataaacccct	120
cccactggag	gttcttaaac	tgctccttag	aatctcaggg	gctgccgagg	tgcccctagg	180
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 <212> DNA  
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gtgcagctgc	tcagcatctt	ccatgggact	tcctctctct	gggatcaagc	ctgggcatg	120
tgtgaggtgt	cctgatcccc	ttctctctgt	cttctctcat	cttcccttcc	tccccctct	179

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 <212> DNA  
 <213> Homo sapiens

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aatggctttt gagacaggca agtgggtggtt tgatgtctgc tttagaaaat tagtttctact 180  
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cccaaactaa gaaaaggac ggatctggct tcagggtga ttagatccag ggctcaatg 360  
ctgtcaagtc agatggttgt ctctattcc tttacctct tttctctct tccccgtgct 420  
tcttratgct t 431

<210> 19285  
<211> 331  
<212> DNA  
<213> Homo sapiens

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agtgatgcct ccagattwgw tctttttgct tagtcttgct ttaaactatg tgggctcttt 180  
tttgttccat atgcattttt ggattgtttt ttctagttct gtgagaatga tggtdgtatt 240  
ttgatrggaa ttgcattgaa tttttggttg cttttggcag tatgctcatt ttcacatgag 300  
cawggaaata tgtttccatt tgtttgtgct a 331

<210> 19286  
<211> 230  
<212> DNA  
<213> Homo sapiens

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tgctcttttg tcttggectg aagctctcct tctgccttga cctcccaaaa tgctaggrwt 120  
tatagggtgc agccastgca cccggccgta agttattttc aagtaggara aaaaggaggc 180  
tgctgtctcc ttaactcttc aagcctaccc atccctatca atcatccctt 230

<210> 19287  
<211> 197  
<212> DNA  
<213> Homo sapiens

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aggtcaggag tttcgggacc agcctggtca gcatggtgaa accctgtctc tactaaagat 180  
ggaaaagtcg gccgggt 197

<210> 19288  
<211> 305  
<212> DNA  
<213> Homo sapiens

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agcgagagta cctsmtggac atgatccac cccgctccat cccccagtca gccacatgga 180  
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<212> DNA  
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<210> 19290  
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<212> DNA  
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attgaggaga tattataggt tattcccata ggcttccac cacttcccc t 111

<210> 19291  
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<212> DNA  
<213> Homo sapiens

<400> 19291  
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caagatggca aagatctgtg gcttgcctt gttctgtttt atttatattat tcttttttgg 120  
agcmmtaa 128

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<211> 125  
<212> DNA  
<213> Homo sapiens

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ggcca 125

<210> 19293  
<211> 140  
<212> DNA  
<213> Homo sapiens

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<210> 19294

004220" 665E560

<211> 95  
<212> DNA  
<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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cttgctgscg cagnmtagct gcctgraagc cnrawagagc cagccagatg aragttgtct	180
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tggtgttcnn nygcaggtgc atcccacgga agacgaggcc agcagtcctt ggagtgtgcb	300
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aagtgtctta cctgagagcc tggctggaga agactgaggt ccaaggcthg aagcctaagt	240
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104-10374-10000

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tattatattc	accatgctgt	acagtagata	tcaaaaaacc	tttattcctc	gtgaataact	180
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

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<213> Homo sapiens

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<211> 94  
<212> DNA  
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<210> 19422  
<211> 292  
<212> DNA  
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<400> 19422  
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acatttscct atgtgcctat ttttatacca gtacccaact tcaaaccata ctasdaggct 180  
atagttacca aaacaacatg gtactggat aaaaataggs acataggcca atgtaacaga 240  
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<212> DNA  
<213> Homo sapiens

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gcctggccta attttttttt ttttttttt 149

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<211> 99  
<212> DNA  
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<400> 19424  
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<212> DNA  
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<400> 19425  
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aagcagctga gactacaggc gtgtgccacc atgccagct agtttttcta ttttttagtag 180  
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<210> 19426  
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<212> DNA  
<213> Homo sapiens

<400> 19426  
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<212> DNA  
<213> Homo sapiens

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c 121

<210> 19428  
<211> 211  
<212> DNA  
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<400> 19428  
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tgagccacca agcctggcta attttgtatt ttagtagaga cggagtttca ccatgttggt 180  
catggtgacc tcaggatgac tgtcccacct c 211

<210> 19429  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 19429  
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acccattttac tgaaatttgc ccaaagtcct gctattatta agtggctatg actagggcct 120  
gcaatcccag cactttgggg aggccaaggc aggcagatsg tgargtcagg agttc 175

<210> 19430  
<211> 316  
<212> DNA  
<213> Homo sapiens

<400> 19430  
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attagggacc ttaatgggag tcagaactgt atgtcatttt attcagggtt ttctaagttt 180  
atgtgtgttt ttttggttag ttggtttttc ttttttcttt tttttacdbt tttctaccaa 240  
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taccgttggc catgcc 316

<210> 19431  
<211> 57  
<212> DNA  
<213> Homo sapiens

<400> 19431  
cwtcagttaa rgctattttc actwwttttg tggatcttca gttgmwtcag gccatct 57

<210> 19432  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 19432  
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gggaactaat gggatacata caagtacccc tctctcctc gtcccccca 110

<210> 19433  
<211> 343  
<212> DNA  
<213> Homo sapiens

<400> 19433  
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aggatttggc ctttttgcct cngagtatcc aggggaatggc cagggctcct ggggaactca 180  
gcgactggac tttcggggcc agaaccagg agggcaggcg tagggacggg atggcatcag 240  
ggaggtggca gtcgnnagga cccgagtggg cagaggaatg tgaatagccc caccacacgc 300  
acaagctcag cagctctgcg nggcactgg kttwgcgga gat 343

<210> 19434

<211> 323  
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 aaggcactta tttttgagat ggggtcttgc tacataacc aggcca 106

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 <212> DNA  
 <213> Homo sapiens

<400> 19437  
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 actatgatct ttatTTTTaa atagcattaa aacagcctga attgwacaaa agccccccay 120  
 a 121

<210> 19438  
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 <212> DNA  
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<400> 19438  
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 caaaatgacc atgctgggtc tgttctaagt ttgaatttgg accttgatcc agccttcaca 120  
 tactttctct katgaattcc tcttaatgck agtkaataaa aatataatgg ctttcatgtc 180  
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<210> 19439  
 <211> 175  
 <212> DNA

<213> Homo sapiens

<400> 19439

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atggtctcaa	tctcctgacc	tcgtgatctg	tcccccttgg	cctcccaaag	tgctgagatt	120
acaggcgtga	gcsaccgcac	ctcgcaaaga	aatacccttt	tttgtttttt	ttttt	175

<210> 19440

<211> 280

<212> DNA

<213> Homo sapiens

<400> 19440

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tactataact	gcttcctatt	actctcactk	aaatttccaa	tataatcaca	ttaaacagta	180
agaaccaact	gacctaatcc	ttagacagct	tagacatcta	gcagtagaac	taactactcg	240
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<210> 19441

<211> 117

<212> DNA

<213> Homo sapiens

<400> 19441

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<210> 19442

<211> 200

<212> DNA

<213> Homo sapiens

<400> 19442

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ttggtcctgg	gattttcttt	gttgggagat	ttttcattac	tggtttaatc	tctacttatt	180
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<210> 19443

<211> 112

<212> DNA

<213> Homo sapiens

<400> 19443

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<210> 19444

<211> 348

<212> DNA

<213> Homo sapiens

<400> 19444





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ttgaatataa	attgaagctg	gtgaatccat	cccagtaccg	ctttgagcac	ctgggtgacac	120
aaatgaagtg	gcggctccag	gagggacgtg	gtgaggccgt	ctaccagatt	ggggtagagg	180
acaatgggct	gctgggtggg	ctggctgagg	aggaaatgcg	aggcttcgct	caagaccctg	240
caccgatgg	cagagaaggt	tggggcaaga	cataaccgtt	cttcgagagc	gagaagtgga	300
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<210> 19445

<211> 136

<212> DNA

<213> Homo sapiens

<400> 19445

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ggggcgggtc	cggagagaac	tcgagastgc	agagatgagg	gccgggtcca	gcgaaaaatc	120
cgacggtbca	gagggc					136

<210> 19446

<211> 291

<212> DNA

<213> Homo sapiens

<400> 19446

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atagcagctk	wkactacagg	cgtgtgccac	catgccacgc	kagtttttgt	attkttagta	180
gagatggggg	ttcaccatgc	tgaccaggat	ggttttgatc	tcttgacctk	gggatccgcc	240
cacctagcc	tcnnaaagtg	ctgrgattac	aggcgtgaag	tcattgcacc	c	291

<210> 19447

<211> 186

<212> DNA

<213> Homo sapiens

<400> 19447

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wyaggccccg	agtgcacckg	gcacactgaa	gaagagtgga	ggccagtgtg	gctggatcag	180
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<210> 19448

<211> 216

<212> DNA

<213> Homo sapiens

<400> 19448

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gtcttggtc	attgcaacct	ctgtcttchn	gattccacca	attctcctgc	ctcagcctcc	180
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<210> 19449

<211> 76

<212> DNA

004220"666T560

<213> Homo sapiens

<400> 19449

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<210> 19450

<211> 207

<212> DNA

<213> Homo sapiens

<400> 19450

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gattctatkt agatttaggc ccagtttagcc actggggatc cakcktgaag tgatgctckg	120
acaaagctac taakgcctka atccactcat kktcaaacak acatgtcagc aaaatgaatc	180
atkkakkaca tcaattkkat gtagaaa	207

<210> 19451

<211> 166

<212> DNA

<213> Homo sapiens

<400> 19451

cagatgttat cttcdagaat ttttatgagt cttagatatg aktckttaat ckagcttgac	60
ttgatttttg tataacgtga gagtggagga tccagctcat kcttctacat gtggcttgm	120
aatkatycca ccaccattt tttgaatagg gtgtcctttc cccact	166

<210> 19452

<211> 131

<212> DNA

<213> Homo sapiens

<400> 19452

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actgataaca acgagagtgc tgatgaccac gaaaccactg acaacaatga gagtgcagat	120
gacaacaacg c	131

<210> 19453

<211> 313

<212> DNA

<213> Homo sapiens

<400> 19453

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tcttctgaac aagactagcc tgcttgcta attaaaaaat gcatttgcca gccgggctta	180
tgcttataat cccagcactc tgggaggcca aggcaggtgg atcagttgag gymgggtct	240
gaaaccagga gattcatctg ccttgacctc ccagagtgc gggattacag gcgtgagtca	300
ccatgccag cct	313

<210> 19454

<211> 56

<212> DNA

<213> Homo sapiens



0044220" 66667369

<400> 19454  
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<210> 19455  
<211> 138  
<212> DNA  
<213> Homo sapiens

<400> 19455  
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gttgatggat agccaggc 138

<210> 19456  
<211> 75  
<212> DNA  
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<400> 19456  
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<210> 19457  
<211> 257  
<212> DNA  
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wgggwgcgak gtctggcccc cwagttcgac accaccttg agagcgcgcg gccacgcag 180  
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<210> 19458  
<211> 199  
<212> DNA  
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gatggtggag aagagcagat gatctgtact ggacacacgt ggagatatgg ccatgccacg 180  
catgtgcaaa cagcgggtg 199

<210> 19459  
<211> 242  
<212> DNA  
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<400> 19459  
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tttgtgtgtg tgtggagatg gggtcwtgct gtgttgccca ggctgggtcka gaactctcgg 180  
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ca 242

<210> 19460  
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<212> DNA  
<213> Homo sapiens

<400> 19460  
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<210> 19461  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 19461  
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attttcttgt tttctcattg ttctttcaaa ctaatatcc gtttttctat tatggataaa 120  
atactttgga tctctgttat gctatttatc agattttttt ttttttttt 169

<210> 19462  
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<212> DNA  
<213> Homo sapiens

<400> 19462  
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ctaattnttg tgttttttagt agagacaggg ttttgctatg ttggccaggc tggctctgaa 360  
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<210> 19463  
<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 19463  
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tttttttttt ttt 73

<210> 19464  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 19464  
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00420" 6556T360

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gtagattaaa	aatatatata	ttgtttaaata	caatttcccc	tgtttctttt	gactttatat	360
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<210> 19465

<211> 256

<212> DNA

<213> Homo sapiens

<400> 19465

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tttagggtag	atgtgcacaa	cgtgcaggtt	tgttacatat	gtatacatgt	gccatgttgg	180
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ccctcccccc	accact					256

<210> 19466

<211> 151

<212> DNA

<213> Homo sapiens

<400> 19466

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ggaatggaat	cgttccgagt	ggaataggag	ggaatgtatt	cgagtgggaat	ggaaggaat	120
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<210> 19467

<211> 163

<212> DNA

<213> Homo sapiens

<400> 19467

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<210> 19468

<211> 128

<212> DNA

<213> Homo sapiens

<400> 19468

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<210> 19469

<211> 196

<212> DNA

<213> Homo sapiens

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 aggtcaggag ttcgggacca gcctggtcag catggtgaaa ccctgtctct actaaagatg 180  
 gaaaagtcgg ccgggt 196

<210> 19470  
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 <212> DNA  
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<400> 19470  
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 cgccttggcc tcccaaagtg ct 82

<210> 19471  
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 cgtcascacg gcaccaggct cttaac 146

<210> 19472  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

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 ccggcct 127

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 aacttcattt taattttttt ta 202

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<400> 19476  
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 cactcgatcat ttccattttt cccctgcact agtgcgtgata ttatttctta aatgctgaca 180  
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<400> 19479  
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6560



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<211> 172

<212> DNA

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<210> 19488

<211> 128

<212> DNA

<213> Homo sapiens

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<212> DNA

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219

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<211> 140

<212> DNA

<213> Homo sapiens

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<211> 111

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<212> DNA

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<211> 172

<212> DNA

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<211> 224

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<210> 19501

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<212> DNA

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<210> 19505

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<212> DNA

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<212> DNA

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<212> DNA

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<212> DNA

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<212> DNA  
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<212> DNA  
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gtct 124

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 tgctcagcct gtaacatttt ataaatctaa aattattcca aaataaaaaa attattttta 180  
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 <213> Homo sapiens

<400> 19547  
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 cccgagtctt ccaactccacc tc 142

<210> 19548  
 <211> 134

<212> DNA  
<213> Homo sapiens

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tcaagacca tcat 134

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<212> DNA  
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<400> 19549  
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cccacaa 187

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<212> DNA  
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tttttttttt tttt 194

<210> 19551  
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<210> 19552  
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<212> DNA  
<213> Homo sapiens

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acagagcgag acttcatctc aaaaaaaaaa aaa 93

<210> 19553  
<211> 96  
<212> DNA  
<213> Homo sapiens

<400> 19553  
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<212> DNA  
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gggagggt 156

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<212> DNA  
<213> Homo sapiens

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gtyttgarct cctgacctcc agtgatctgc ccacct 156

<210> 19556  
<211> 293  
<212> DNA  
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<400> 19556  
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ggcacgctgg tagagcagaa aggacatgtt cttagaggca ggcaactgta agttcaaatt 240  
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<210> 19557  
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<212> DNA  
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<210> 19558  
<211> 94  
<212> DNA  
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94

<210> 19559  
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<210> 19560  
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<212> DNA  
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atttacagac tgaggatgta tggatcatct tactgaaaag aagtttttaa gtcttcagaa 180  
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<210> 19561  
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<212> DNA  
<213> Homo sapiens

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accatgcccg gctaattttt tgtattttta gtagagatgg gatttcacca tgtagccag 180  
gatggctctg atctcctgac cttgtgatcc acccgctag gcctcccaa gtgctgggat 240  
tacaggcgtg agcnaccgag ccccc 265

<210> 19562  
<211> 142  
<212> DNA  
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<400> 19562  
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agcctccact gggccagggtg cg 142

<210> 19563  
<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 19563  
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<210> 19564  
<211> 188  
<212> DNA  
<213> Homo sapiens

<400> 19564  
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<210> 19565  
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<212> DNA  
<213> Homo sapiens

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<210> 19567  
<211> 252  
<212> DNA  
<213> Homo sapiens

<400> 19567  
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ctatacttgg gcmactccca ctcaagtggaa tgtactttcg ttctcaataa atccttgtgc 180  
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ttcaacctcc gc 252

<210> 19568  
<211> 199  
<212> DNA  
<213> Homo sapiens

<400> 19568  
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gaggctgagg tgagagggtc gcttgagccc aggagttcta gacaagcctg ggaaacatgg 120  
caagatctca tccttacaac aaataataat ggtgtgtgcc tgcagtccta gctacttggg 180



tggttgaggc aggaggcta 199

<210> 19569  
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<212> DNA  
<213> Homo sapiens

<400> 19569  
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acttagactc ccacacaata ataatgggag actttaacac ccca 104

<210> 19570  
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<212> DNA  
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<400> 19570  
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acgcgatcca cccaact 77

<210> 19571  
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<400> 19571  
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aaa 63

<210> 19572  
<211> 249  
<212> DNA  
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<400> 19572  
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tggtggcarg gctgggggtg cagtggcgtg atctcggtc actgcaacct ctgcctcctg 180  
ggttcaagca attctactgc ctgagcctct caagtggctg ggactacaga tgcacaccac 240  
cacacccaa 249

<210> 19573  
<211> 125  
<212> DNA  
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<400> 19573  
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<210> 19574  
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<213> Homo sapiens

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<210> 19575

<211> 194

<212> DNA

<213> Homo sapiens

<400> 19575

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gtgcctgtaa tcccagctac ttgggaggct gaggcaggag aatcgtttga acctgggagg	120
cagaggttgc agtgagccgg gattgcacca atgcactcca gcctgggtaa cagagcgaga	180
ctccatctga aaaa	194

<210> 19576

<211> 150

<212> DNA

<213> Homo sapiens

<400> 19576

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aacagccaat tttactttat ccgtccgct	150

<210> 19577

<211> 113

<212> DNA

<213> Homo sapiens

<400> 19577

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<210> 19578

<211> 109

<212> DNA

<213> Homo sapiens

<400> 19578

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<210> 19579

<211> 119

<212> DNA

<213> Homo sapiens

<400> 19579

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<210> 19580  
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<210> 19581  
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<210> 19582  
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 <212> DNA  
 <213> Homo sapiens

<400> 19582  
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 ttcaccgaca ttaasancta ctacaacgrs rtcaccctca t 161

<210> 19583  
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<400> 19583  
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 gaa 63

<210> 19584  
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 <212> DNA  
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<400> 19584  
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<210> 19585  
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 <212> DNA  
 <213> Homo sapiens

<400> 19585  
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 tgtctcctaa ttctatccct ccccgccccc ccat 94

<210> 19586  
<211> 216  
<212> DNA  
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<400> 19586  
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gtggttttat ctacttttgg tctttgatga tggatgatga cagatgggtt tttgggtgtg 120  
atgtcctttc tgtttgtagg ttttccttct aacagacagg accctcagct gcaggtctgt 180  
tggagtaccc tgccctgtga ggtgtcagtc cgccct 216

<210> 19587  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 19587  
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gtctcaaat cctgacctc 79

<210> 19588  
<211> 299  
<212> DNA  
<213> Homo sapiens

<400> 19588  
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ttttatatcc tttatttctg aaggwyagct atgctgggta cdatattctt gatgtccaac 180  
actttttctt cagtgtctg attatattgt ctactccat cctagcctgc aagatttcta 240  
ctgagaagtt gccttgtagt ttatctgagc cttttctctt ggcagctttc agagttctt 299

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gctcttccaa ccagacagac acattccttt ttt 93

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<212> DNA  
<213> Homo sapiens

<400> 19590  
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caggagaatc gcttgaacca gggaggtgga ggttgcggtg agccaa 106

<210> 19591  
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<213> Homo sapiens

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aaaaa 65

<210> 19592

<211> 218

<212> DNA

<213> Homo sapiens

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scgwgargct gvgygctcgg tcgahgvsga cgaccatccc cgrtagasga ggaccgggtct 180  
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<210> 19593

<211> 117

<212> DNA

<213> Homo sapiens

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<210> 19594

<211> 95

<212> DNA

<213> Homo sapiens

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<210> 19595

<211> 206

<212> DNA

<213> Homo sapiens

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<210> 19596

<211> 94

<212> DNA

<213> Homo sapiens

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 <212> DNA  
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 caggagggc agaaagcaag ggaagcaagg gaaggaagga hsaaagwaag gaagaaagkw 180  
 aagatnattg taatgtacac tctttgcatg tggcaaagta tactctttgc atgagaaagt 240  
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<210> 19598  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<400> 19598  
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 <211> 106  
 <212> DNA  
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<210> 19600  
 <211> 80  
 <212> DNA  
 <213> Homo sapiens

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<210> 19601  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 19601  
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<212> DNA

<213> Homo sapiens

<400> 19602

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aatcaccaaa gcagtcagac gaggtatttt ttttcctt 99

<210> 19603

<211> 194

<212> DNA

<213> Homo sapiens

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gagggggtty caccatgttg gccaggctgg tctggaactc ctgacctcag atcatctgcc 180  
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<210> 19604

<211> 169

<212> DNA

<213> Homo sapiens

<400> 19604

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<210> 19605

<211> 61

<212> DNA

<213> Homo sapiens

<400> 19605

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<210> 19606

<211> 157

<212> DNA

<213> Homo sapiens

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tttgacctg gtacattgaa attaaagcag ggggaaa 157

<210> 19607

<211> 247

<212> DNA

<213> Homo sapiens

<400> 19607

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 taaaaatata aaaaaattaa ctggntgtgg tgggtgtgtgc ctgtcatccc agctactcag 180  
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 atctcaaaaa aaaaaaaaaa aaaa 84

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 accgcgcccc gccaca 137

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 <212> DNA  
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 aattgctaag gccaggaaaag gagagaggaa gtctctgtga gcactgagaa caggaaataa 180  
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<210> 19611  
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 <212> DNA  
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<400> 19611  
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<210> 19612  
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 <212> DNA  
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<400> 19612  
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 <212> DNA  
 <213> Homo sapiens

<400> 19613  
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<210> 19614  
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 <213> Homo sapiens

<400> 19614  
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 aattgctggg attacaggtg tgagccactg tgcctggccg ggatactgtt tttttgagta 180  
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<210> 19615  
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 <212> DNA  
 <213> Homo sapiens

<400> 19615  
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<210> 19616  
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 <212> DNA  
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<400> 19616  
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 aatcaccaaa gcagtcagac gaggtatttt tttt 94

<210> 19617  
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<400> 19617  
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 agggggtwtc accawgttgg ccaggctggt ctggaactcc tgacctcaga tcatctgcct 180  
 gtctcgcmc ccc 193

<210> 19618  
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<213> Homo sapiens

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51

<210> 19619

<211> 169

<212> DNA

<213> Homo sapiens

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msmtggagtt tcaccgtgtt agccaggatg gtgtcaatct cccgacctcg tgatccaccc

120

acctcggcct cccaaagtgc tgggattaca agtgtgagcc accaggcct

169

<210> 19620

<211> 63

<212> DNA

<213> Homo sapiens

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60

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63

<210> 19621

<211> 101

<212> DNA

<213> Homo sapiens

<400> 19621

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gcgagaagat cgcgctgcac aatcagaagc aggcggagga a

101

<210> 19622

<211> 121

<212> DNA

<213> Homo sapiens

<400> 19622

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atgagagggg ctgggataag tatatttctt tcttctctat ctctctctct ctctcttttt

120

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121

<210> 19623

<211> 170

<212> DNA

<213> Homo sapiens

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gaatcatgag gtcaggagtt cgagaccagt ctggccaaca tagtgaaacc acgtctctac

120

taaaaatata aaaaattaac tgkktgtggg ggtgtgtggt tgcacacca

170

<210> 19624

<211> 133  
 <212> DNA  
 <213> Homo sapiens

<400> 19624  
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 agtttctggt cct 133

<210> 19625  
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 <212> DNA  
 <213> Homo sapiens

<400> 19625  
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 gggactacag gcaagcacca ccacatccag caaattttkg tattttkttg tagagacagg 240  
 gtttcaccat gttgcccgag ctggtctcga actcaggctc atacgatccs skggcctcag 300  
 cctcacaaag tgctgggatt acaggtttga gtcatgrcac ctaccct 348

<210> 19626  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

<400> 19626  
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 ggagtgcagt ggcgagctct cggtctgctg caacctctgc cgcccgagtt gaagcaattc 180  
 tcttgtctca gcctcccag tagctgngac tacaggcgcg caccaccaca cctggcaa 238

<210> 19627  
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 <212> DNA  
 <213> Homo sapiens

<400> 19627  
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 ggattctcta cgctttgtat gcctcacctc tgccaggtgc caccaatc 108

<210> 19628  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<400> 19628  
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 taattcttca tdgttttctc ttagcactac catgttttgc tttatattat tcattttcat 180  
 aatttttaat gtattcctgt agaggacgtg aggtattgat acaaatttaa tatttttttt 240  
 tcagggtggct acccaattat ttcaataact atgtnnctat aagtcacatc ttcccattta 300  
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<210> 19629

<211> 263

<212> DNA

<213> Homo sapiens

<400> 19629

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ctgtgacatg agacttggat gaccaagaga caaaaaggac tttcacttca tattcttggtg	180
taatgtcaaa tgtagcata agaagtgtta cttttaaaac ataaaagata gttaaagaaa	240
aagtaaaata ctcagtggct cct	263

<210> 19630

<211> 251

<212> DNA

<213> Homo sapiens

<400> 19630

gctggagtgc agtggcgcgga tctcggctca ctgcaagctc cgcctcccgg gttcacgcca	60
ttctcctgcc tcagcctccc gagtagctgg gactacaggc gcccgccacc tcgccccggt	120
aattttttgt atcttttagta gagacagggt ttcdccctgt tagccaggat cgtctcaatc	180
tctgacttc gtgatccgct cacctcggcc tcccaaagtg ttgggattgc aggcacccca	240
cctcgcccta a	251

<210> 19631

<211> 250

<212> DNA

<213> Homo sapiens

<400> 19631

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ccccagagtg tgatgttccc cttcctgtgt ccatgtgttc tcattgttca gttcccacct	120
atgagtgaga atatgcggtg tkhagttttt ctyntgatag ttactgaga atgatgattt	180
ccaatttcat ccatgtccct acaaaggaca tgaactctc attttttatg gctgcatagt	240
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<210> 19632

<211> 101

<212> DNA

<213> Homo sapiens

<400> 19632

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<210> 19633

<211> 140

<212> DNA

<213> Homo sapiens

<400> 19633

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gccaacgagc agggccaaga tttggggaag agggaccacc atggtaggta caagcagcca	120

ggatgccgat gaacaggacc 140

<210> 19634

<211> 123

<212> DNA

<213> Homo sapiens

<400> 19634

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agt	123

<210> 19635

<211> 264

<212> DNA

<213> Homo sapiens

<400> 19635

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agtctcttaa ttactacagt ttttaaataa gccttgctat ctggtaatgt gaacctttca	120
gcttttagtat tctwtttttt tattattatt atactttaag ttctggggta caagaataag	180
aacagagagt catatgaagt atctttaaca caaaagactg acccctcagt caggcctatg	240
catgaaagag tgccaaaaaa agaa	264

<210> 19636

<211> 111

<212> DNA

<213> Homo sapiens

<400> 19636

ctggagggca gtggcgcaat ctcagctcac gcaagctcca cctcccgggt tcatgccggt	60
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<210> 19637

<211> 256

<212> DNA

<213> Homo sapiens

<400> 19637

ctcagctggt aataacctag ccgagacccg gccctggcag ctggttctcc agcttccact	60
cgcctctgca agcaaaggag ggtagccaca ttttctcccg gtagaaacag tagacagaac	120
acgaggactg gtcttctttt ttttttttaa tattaattaa tttatttttt gagacggagc	180
ctcgtcctc gcccaggctg gagctcagtg gcacagtctt ggctcaytgc actccagcct	240
gggcgacaaa gcaaga	256

<210> 19638

<211> 155

<212> DNA

<213> Homo sapiens

<400> 19638

tagtgttatt catagtagta tctgaagacc ttttgtattc ttgtgggac agttgtaatg	60
tcacctttgt ttattctgat tgtgcttatt tggatcttct ctttcttttt ctttattact	120
ctagttaggg ggtctatcaa tctttttttt ttttt	155

100-443887-100

<212> DNA  
<213> Homo sapiens

<400> 19644  
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twdttattta gattttttta aattatactt taagttttag gttacatgtg cacaacgggc 180  
aggtttggtta catatgtata catgtgccat gttgctgtgc tgcacccatt aactcgccat 240  
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<210> 19645  
<211> 143  
<212> DNA  
<213> Homo sapiens

<400> 19645  
agcaatcgaa tggaatggaa tggaattaaa ccgaatagaa tggaatggaa tggaatggaa 60  
cggaacggaa cggaacggaa tggaatggaa tggaatggaa tggaaggaa gggaatggaa 120  
atgaaataga aatggaagg aat 143

<210> 19646  
<211> 429  
<212> DNA  
<213> Homo sapiens

<400> 19646  
caatgatatt ttaskatcta aagtagtctt ttactgtaaa aataatgatt gcttaaggca 60  
tataattaaa acaattccaa agggaatcaa atattttcct ctcttttctt catatagtag 120  
ctggatatcc aattttttgt gtatccttaa tgaaaataat agttttttaa aacaaataaa 180  
taatatgtgc acaaataatg cagagaaagt tgaaggktct ccccaactca ctttttttta 240  
agacggggtc ttgctctgtt gccagggctg gagtgcagtg gcgcgatctc ggccccctat 300  
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acaggtwcgt gcaaccacac ctvdctaatt ttkgtatatt tagcaghrat gggatttgcc 420  
atgttgcc 429

<210> 19647  
<211> 268  
<212> DNA  
<213> Homo sapiens

<400> 19647  
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tccaaatctc aaataggccc tgggtgtctgt tggttccttc tttgtgttca tatgtaatca 180  
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gttcgcttag gataatggcc cccgctgt 268

<210> 19648  
<211> 167  
<212> DNA  
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<400> 19648  
tgctgtactt tgaatgccag tcctgtgtct tgcaaaccat gggtccctgg gaaaggagca 60

tggttgattaa tggtgtgta cttagtcagc atttttaaca ttataatta ttttattttt 120  
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<210> 19649

<211> 306

<212> DNA

<213> Homo sapiens

<400> 19649

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 cagcactttg ggaggctgag gcgggtggat catgagggtca ggagttttga gaccggcctg 180  
 gccaatgatg tgaaacccca tctctactaa aaatacaaaa attagctggg tgcagtgggtg 240  
 gacacctgta gtcccagcaa ctccggaggc tgaggcagga gaattgcttg aaccggggag 300  
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<210> 19650

<211> 114

<212> DNA

<213> Homo sapiens

<400> 19650

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<210> 19651

<211> 97

<212> DNA

<213> Homo sapiens

<400> 19651

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 grgcccgcgc gtvdcctggg ccccgcmatg gccgtca 97

<210> 19652

<211> 99

<212> DNA

<213> Homo sapiens

<400> 19652

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 ccaagtggct gggactacag gcgcacacca ccacgccca 99

<210> 19653

<211> 315

<212> DNA

<213> Homo sapiens

<400> 19653

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 rawtgaatg gaatggaatg gaatcgaatc aaccggagtg caatggaatg gagtggaatg 180  
 gaatggaatg gaatggaaca acccggaatg aatggaatgg aatggagtgt aagggaattg 240  
 aatagaatca atgcgnatgt aatggaacgg aatggaatgg aatcaatgcg agtggagggg 300





atgctgggtgt gctgcaccca ttaactcgtc atttagcatt aggtatatct cctaaagnta 300  
tcccaccccc ctc 313

<210> 19659  
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<212> DNA  
<213> Homo sapiens

<400> 19659  
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<210> 19660  
<211> 118  
<212> DNA  
<213> Homo sapiens

<400> 19660  
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gtgagctgag atcacgccag tgcactccaa cctggggaca gagcaagact ctgtctaa 118

<210> 19661  
<211> 52  
<212> DNA  
<213> Homo sapiens

<400> 19661  
tgatttgcaa ttagcctaaa aaacatttac cttttccttt tttttttttt tt 52

<210> 19662  
<211> 206  
<212> DNA  
<213> Homo sapiens

<400> 19662  
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acaggtgccc gtcggctaatt ttttggtttt ttgttttgtt ttgttttgtt tttttttgtt 180  
tttgtttttg ttttgnaacg gagtct 206

<210> 19663  
<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 19663  
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<210> 19664  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 19664

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aggaccagag	tatctactaa	agaaagctga	gccaaattctg	tgaaggaaaa	tttgagataa	180
gttttgctga	taaaattgac	atgatatagatt	ggaacactga	atttaaattcc	aacagaggct	240
a						241

<210> 19665  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 19665						
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aaataaacat	ataaattaaa	ggaatacttt	acaaaagtct	cattaccata	aagttctrw	120
gtaaaagcaa	attcttctgg	attgagtcac	cattacaatg	atcagtaaca	cacagttgat	180
ctgaacaaca	tagatatact	cagggcggat	aaataatagt	taagcataat	aactgaaatt	240
tcatttgaaa	tgcattctctt	tgagaagaaa	acgtctttta	ttttttctag	ttagttaatt	300
a						301

<210> 19666  
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 <212> DNA  
 <213> Homo sapiens

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acattttggt	taaaaaaaag	gactggctgg	gcatgggtgc	tcacgcctgt	aatcccaaca	120
ctttgggacg	cccaggtggg	tggatcatga	ggccaagaga	tcaagaccat	cctggcccac	180
atggtgaaac	cccatctcta	ctaaaaatac	aaacattagt	ttggcatggt	ggtacttgcc	240

<210> 19667  
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 <212> DNA  
 <213> Homo sapiens

<400> 19667						
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tgactttctg	cctgaagatt	cagagtcagg	atcatgtgct	aacaggtgac	ttgaagttta	120
gaatagccat	ttggggagag	tagacacaaa	aggc			154

<210> 19668  
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 <212> DNA  
 <213> Homo sapiens

<400> 19668						
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cgtttggttc	tgaacttaca	cactgatgag	tcctcaggtg	ttttcacctc	ctctggattt	120
ggcaggccca	actcctggac	atcaggacca	tctccgc			157

<210> 19669  
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 <212> DNA  
 <213> Homo sapiens

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 accctagaaa gttcccttgt gtctttttttt attctatctc ctccctccc tgcccctgga 180  
 ggaaatcgct ttttgatttc tatacctatg gattaatttt gctatttcta aagcattaaa 240  
 atggcagcat ggaaaatgta cttttttgtg tttgacttct ttcaccaagc ataatgtttt 300  
 tgaaattcat catctatgat gatgtgtgcc tattgagtta accttttcnn gcacatgccg 360  
 cctgcca 367

<210> 19670  
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 <212> DNA  
 <213> Homo sapiens

<400> 19670  
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 agagagaggt ggttactt 138

<210> 19671  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 19671  
 cttttctttg ttttttgtct aacttttatt ttaggttcag tggtagatgt acaggtttat 60  
 tatataggtt tattatatag gtgtattatc tgtacacttg caccacaggg gtttggtgta 120  
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 ctccccactc ct 192

<210> 19672  
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<400> 19672  
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 ccgtatcttc catt 134

<210> 19673  
 <211> 108  
 <212> DNA  
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<400> 19673  
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 aatggccata ctgcccaagg taatttatac attcaatgcc atcccccc 108

<210> 19674  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<400> 19674  
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aggccaaggt ggggtgggtcg cctgaagtcg ggagtacaag accagcctgg ccaacgtggt 120  
gaaagctccg tctctgctaa aaatgcaaaa aattggctgg gcttggtggc atacacctgt 180  
ggccccatct actcgggagg ctgagggggg agaattgctt gagcccggga ggcggagggt 240  
gtagtgcgcc gagattgtgc ccttgcatte cagcctgggc aggagagtga gactccgtct 300  
caaaa 305

<210> 19675  
<211> 349  
<212> DNA  
<213> Homo sapiens

<400> 19675  
caaagaaaat taatctatat ttactttgaa ctactcatat atttggaact ctttctactt 60  
ctcattttct atattctatt tatcatccct tttcttcatt taaatttttt ttttttactt 120  
ttttaaaacta tcctttwgt gaactgatta agttttcaaw attctctttt gcccttctgc 180  
tgctttgaga gctataatgg tttgtatttc cattatttta gttaaactct ttcagttttt 240  
ttcattacat atatttaatt atacatttkg ctagaagagt ctgaattact taatattttt 300  
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<210> 19676  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 19676  
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taaattctaag taaatattta ctttcacgcc taatgttgta tttatatatt atagaaaccc 120  
tccctt 126

<210> 19677  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 19677  
ctcagcctct ccttagcgct catccaacat actatctttt ttaaaaagatt tattattatt 60  
acttttttga ctcagggtct cactctgtgt ccagt 95

<210> 19678  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 19678  
ctttaagttt tagggtatat gtgcacattg tgcagggttag ttacatatgt atacatgtgc 60  
catgctgggt cgctgcaccc actaacttgt catctagcat taggtataacc tcccaatgct 120  
atccctccct cataccctc ac 142

<210> 19679  
<211> 202  
<212> DNA

<213> Homo sapiens

<400> 19679

taacaagggg	ctaagaaaa	aataggaata	tgccatctgt	gtgccagctg	gaaaaacagg	60
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gatagctgca	gtagtttaag	tcagggtatg	atattggtga	gggtttattt	gcaaaaaact	180
aatccattc	ttagtaaagg	ca				202

<210> 19680

<211> 51

<212> DNA

<213> Homo sapiens

<400> 19680

attatagcat	gtatcaaaaa	atttccttcc	tttttttttt	tttttttttt	t	51
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<210> 19681

<211> 191

<212> DNA

<213> Homo sapiens

<400> 19681

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cgtcatttac	atttgggtata	tctcctaata	ctatccttcc	ccctgcccc	cactccatga	180
caggccccg	t					191

<210> 19682

<211> 108

<212> DNA

<213> Homo sapiens

<400> 19682

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tcgggtgtg	tggctcatgc	ctgwaatccc	aktactttgg	gaggccga		108

<210> 19683

<211> 158

<212> DNA

<213> Homo sapiens

<400> 19683

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gatttgctg	cctgggcctc	ccaaagtgct	gggattacag	gcatgagcca	ccatgcccgg	120
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<210> 19684

<211> 138

<212> DNA

<213> Homo sapiens

<400> 19684

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tgcctgtagt	cccagctact	ctggagtgc	gtggcatgat	ctcggctcac	tgcaagctcc	120

gcctccgggt tcgcgtca 138

<210> 19685

<211> 154

<212> DNA

<213> Homo sapiens

<400> 19685

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ccatccatgg atggcagagc taaaagagca ctaacttta cataccacta gatgctgcca	120
tggggccaca gcccaaaagt gctgacchg gcc	154

<210> 19686

<211> 151

<212> DNA

<213> Homo sapiens

<400> 19686

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cctttactaa gccacataaa agtaattctgt ttgtgtgtaa ctgccagata taccacctgg	120
aattccaagt aagataagga agaggatgac c	151

<210> 19687

<211> 199

<212> DNA

<213> Homo sapiens

<400> 19687

gagctctgtg ctggctgtga gccgcctccc ggcccctctc cgcagccgcc ctccagccct	60
cccagcctgg cgctggacgg agcctttggg aacaaggggg agaaatgcc gaacttgatc	120
ttagaagcta atcaagcttc ttgtgacttt caagttcaag atggnatctt agaatagggg	180
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<210> 19688

<211> 240

<212> DNA

<213> Homo sapiens

<400> 19688

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tgggtggtca tgctgtaat ctcaatactt tgtgaggcca aggcggggcg atcacctgag	120
gtcarrggt tgagaccagc ctgaccaaka tgatgvaacc ccattctctac taaaaatata	180
aaaattagct gggcgtagtg gcatgcgcct gtaatccag ctacttggga gactgaggct	240

<210> 19689

<211> 306

<212> DNA

<213> Homo sapiens

<400> 19689

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gattgggtgg catatcccct ttatcatttt ttattgcatc tatctgattc ttctctcttt	120
ttttctgcat tagtcttgct agcagtctat caatttggtg atcctttcaa aaaactagct	180
cctggattca ttaatttttt tgaagggttt ttatgtcact atttctttca gttgttctct	240

gatttttagct atttcttata ttctgctagc ttttgaatgt gttttctctt gcttttctag 300  
ttctat 306

<210> 19690  
<211> 65  
<212> DNA  
<213> Homo sapiens

<400> 19690  
gcggmggtwg cgggtgataca agatcgcgcc attgtactcc agcctgggca acaagagcaa 60  
aactt 65

<210> 19691  
<211> 254  
<212> DNA  
<213> Homo sapiens

<400> 19691  
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aaaccagtc tctactaaaa atactaaaat tagctgggca tctgtggccac aacacaatct 120  
cttgaacctg ggagacggag attgcagtga gcagagattg caccactgca ttccaacctg 180  
ggcaacagag ctagatcatg tcccaataaa taaataaatm mgaaaaatatt gagactgctt 240  
ttttcctgaa ttaa 254

<210> 19692  
<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 19692  
ccaagttatg agtgggttggg tgctcacctg gaggtgaatg actttttttt tttt 54

<210> 19693  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 19693  
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ccacacca 128

<210> 19694  
<211> 439  
<212> DNA  
<213> Homo sapiens

<400> 19694  
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aggctgcagt gtgctgagat tgtgcactgc actccagcct gggcaaaaaa acaaacaaac 120  
aaacaaaaaa ccctcttata aatcacatac caaaagagg taggaaactt agaatccaaa 180  
tatcatattc agtctatgcc ttaatttcat ccaaattttg gatgctattt catatgcctc 240  
cagtactaca gttgatcttd skcaagatgt attaataaaa acaggtagat ccatatccaa 300  
gagctctcaa atcaaaaataa aagttccatt catttactgg aactgcacgt cagaaacgtg 360



aaagtagatt ctaggttggn cgcggtggct cacgcctgta wtcccagcac tttgggagggc 420  
caagtggggc agatcacga 439

<210> 19695  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 19695  
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<210> 19696  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 19696  
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caagtgattg gcctgccttg gcctccgaaa gtgctaggat tacaggcatg agccaccacg 120  
ctggccctt gtaggtttag aatcctctca atcagttc 158

<210> 19697  
<211> 82  
<212> DNA  
<213> Homo sapiens

<400> 19697  
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ttttgtttg tctgcaccg ta 82

<210> 19698  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19698  
ccatcctggc taacacagtg aaaccccgtc tctagttctt ttagctgtga tgtagcttg 60  
ccaattggag atgtttcttg cttt 84

<210> 19699  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 19699  
tattttctcag gtggrkggtt atttagttaa ggtgagaagt agagccaggc acggtggcct 60  
gtgccttttg tctcagctac ttaggaagct aaggagagac ttgagcccag gagtttgaca 120  
ccagctttg caatatagg agaccccgtc tcgaaaaa 158

<210> 19700  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 19700  
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 ttttaagataa tggcacataa cttttttcca taccagattt cagtatatac taggttttaa 120  
 tgtgaatatt tctgactcgt tttatttttag tgatttt 157

<210> 19701  
 <211> 310  
 <212> DNA  
 <213> Homo sapiens

<400> 19701  
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 gcaacctctg ctttccagtt tcaagtgatt ctcttttctc agcctcctga gtagctggga 120  
 ttacaagcgc ccaccacat gcccggtga tttttgtatt tttagtagag acgggatttc 180  
 accatgttgg ccaggccagt ctcgagctc ctgggctcaa gtgatcctct catctcagcc 240  
 tcctagaatg ctgggattac aggcataaat caccatgctt ggcgctcttg tcttgtctgt 300  
 ctgtccctcc 310

<210> 19702  
 <211> 119  
 <212> DNA  
 <213> Homo sapiens

<400> 19702  
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 ttcttttaca tactgaaaaa tctctttcca tatagttaca tcatgttatt gcacccac 119

<210> 19703  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 19703  
 cagaattatc tatatkrttt ttactagcat tttcttttga ttcgtattct ctattaagac 60  
 attgttctca tacttcagat tttctttttt ttaaatttta ttttgttatt attatacttt 120  
 aagtttttagg gtacatgtgc acaatgtgca ggtttggtac atatgtatac atgtgccatg 180  
 ttggtgtact gcacccatta actcgtcatt tagcgtttag tatatctcct aatgttatcc 240  
 ctccccctc ccctt 255

<210> 19704  
 <211> 73  
 <212> DNA  
 <213> Homo sapiens

<400> 19704  
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 ccaagccccg agt 73

<210> 19705  
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 <212> DNA  
 <213> Homo sapiens

<400> 19705  
 agtgctgggd wtacaggtgt gagccaccat gcccggtgt caaaataggt gttttgttgt 60  
 tttttttttt tt 72

<210> 19706  
 <211> 276  
 <212> DNA  
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<400> 19706  
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 catggagnat ggggtatcca tcccttcaag catttatcct ttgttacaga ccatccaatt 120  
 aactctttt aattaatttt aaaatgtaca attaatgtat tattgcctac agtcaccctg 180  
 ctgtgctgtc aaatagtagg tcttattcat cctttctaac tatgtttttt tgtaccatt 240  
 aaccatccct gccttcccc acagctcccc ccaaac 276

<210> 19707  
 <211> 123  
 <212> DNA  
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<400> 19707  
 caacaaagaa tggacttaaa ctataccata gaacaaatgg acttaacaga tatttacaga 60  
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 ata 123

<210> 19708  
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 <212> DNA  
 <213> Homo sapiens

<400> 19708  
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<210> 19709  
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 <212> DNA  
 <213> Homo sapiens

<400> 19709  
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<210> 19710  
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 <212> DNA  
 <213> Homo sapiens

<400> 19710  
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 aagataggaa atgctcctac ccagtctcta gcaccac 157

<210> 19711  
<211> 190  
<212> DNA  
<213> Homo sapiens

<400> 19711  
ctctgtttcc caggctagag tgcagtgaca tgatcttggc tcaactgcaaa ctccgcctcc 60  
cggtgttcaag agattctcct gcctcagcct ctgagcagct gggattacag gtgcccgccca 120  
ccgtgcccgg ctaatttttg tatttttttag tagagatggg gtttcaccac cttggmcdvg 180  
cgcggtggct 190

<210> 19712  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 19712  
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gaccatcttg gctaacacga ggaaaccgcg tctctac 157

<210> 19713  
<211> 154  
<212> DNA  
<213> Homo sapiens

<400> 19713  
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cggacagatg ttttcttttc tttttttttt tttt 154

<210> 19714  
<211> 237  
<212> DNA  
<213> Homo sapiens

<400> 19714  
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tattggcgtg aagttttctt ttttgttttg tttctatcag gttttggtgt cagaatgatg 180  
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<210> 19715  
<211> 90  
<212> DNA  
<213> Homo sapiens

<400> 19715  
tgttgatgca ttggtttttg gcagacagag tttcagtcctg gatgtgttga gtctgagatc 60  
atggtgctat ttcttttttt tttttttttt 90

<210> 19716  
<211> 266  
<212> DNA

<213> Homo sapiens

<400> 19716

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ttgtttatatt ttatttctgt gaagaatgcc attaggattt tgagatggat tgcattgagt	120
ctgtatatattg ctttgggtaa tgtgaacatc taaaaaatat taattcttcc aatccatgaa	180
ctcagggata tgttttcatt tgtgtttttt ttcctaattt ctkkcatcaa tgttttatag	240
ttttcagtgt atacatggtc cccact	266

<210> 19717

<211> 73

<212> DNA

<213> Homo sapiens

<400> 19717

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attgtaaaca ggc	73

<210> 19718

<211> 219

<212> DNA

<213> Homo sapiens

<400> 19718

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aggcgcccgcc caccacacct ggctaatttt ttgtattttt agtagagacg gggtttcacc	120
atgttagcca gaatgggtctt gatctcctga ccgcgtgatc caccgcctc ggcctcccaa	180
agtgccttga ttacaagcgt gasscaccgc acccggcct	219

<210> 19719

<211> 185

<212> DNA

<213> Homo sapiens

<400> 19719

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gggcagaaca tgcaggtttg ttgcataagt atacatgtgc catggcggtt tgctgcaccc	180
atcac	185

<210> 19720

<211> 202

<212> DNA

<213> Homo sapiens

<400> 19720

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atttgaaga atcttcttaa tttcagaggt gctaacatgt aaaaagatgt gtatcttaga	120
attgatgaca tcataataat actttgatag gattgttgta aggattaagt gactcaacat	180
ttataaagaa cttagaacag tc	202

<210> 19721

<211> 114

<212> DNA

<213> Homo sapiens

<400> 19721

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<210> 19722

<211> 193

<212> DNA

<213> Homo sapiens

<400> 19722

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cccagccaat ttactgtckc tttatccaat cccattatt ccttaaccac ctagggtcat 180  
gtcattggac ctt 193

<210> 19723

<211> 148

<212> DNA

<213> Homo sapiens

<400> 19723

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aattttttat agagacgggg tcttgctatg ttgcccargt ggatctarag ctcttggcct 120  
taagcgawcm wcctaccttg gcctcgac 148

<210> 19724

<211> 217

<212> DNA

<213> Homo sapiens

<400> 19724

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gacacttctt tcagtatatt gcttgatgct tcaaataaag ttttgtcttg ggtgacagag 180  
ccagactccg tctcaaaaaa aaaaaaaaaa aaaaaaa 217

<210> 19725

<211> 107

<212> DNA

<213> Homo sapiens

<400> 19725

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ttaaataaac ttcttctcat taaagttctg catcctttcc ctccaca 107

<210> 19726

<211> 302

<212> DNA

<213> Homo sapiens

<400> 19726

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 ccctatttgt cttctatctt ttttcatgta ttcacataa gtatttttaa atctctatcc 180  
 aataatcacn gtatctcaat agtatatttc tactgtcagt ttgtctcttg acatttgga 240  
 atcagcattt aagdaacttt tttattgaat ggcagacatt tggttcaaac tttgaaaagc 300  
 tc 302

<210> 19727  
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 <212> DNA  
 <213> Homo sapiens

<400> 19727  
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<210> 19728  
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 <212> DNA  
 <213> Homo sapiens

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 ctctgttgcc caggctggag tgcagtgggt cgatcttggc tcaactgcaac ttctgcctcc 180  
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 asaccccc 249

<210> 19729  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 19729  
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 aacatagcta acttcttaca ccttaaaatg ttattcattt atcttttttt tttt 114

<210> 19730  
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 <212> DNA  
 <213> Homo sapiens

<400> 19730  
 tcactagtta aatggaaatg tggatgaatc tgaacagcta acctaagccg atgtatttta 60  
 ttcacgtag taaatatagt ataggtaa ataaacaggg agcttggtat tctcattcca 120  
 ataaattgaa agattaattt tttgcttttt tttctttgag acagggtctc actctcttgc 180  
 ccaggcttgc cttcaccac tgcaaaactt gaacgctgac actctgcctc cact 234

<210> 19731  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<400> 19731  
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attattttggt aaatctacgt gtactttttaa aaataactctt tttttttttt ttttt 115

<210> 19732  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 19732  
tgttctgact tgctgagttt actcagcagc cttatgctgg ctctgccact gcacaataaa 60  
accaaagcag gacagttgca ggtcaagcaa gggggaacrt gttttgcatt tagrgagttt 120  
gaccacaccc 130

<210> 19733  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 19733  
cgggcgacaga gtcccttctt aggccagatc cgcgcgcgct tttcccgcgg cccgcacggg 60  
gccagctga cgggccgcgt tgtttacggg cccgagcagc cctctctccc accgcc 116

<210> 19734  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19734  
gtgattctcc tgcctcagcc tcctgagcaa ctgggaccac agatgcacgc caccatgacc 60  
ggctaatttt ttttttttaa atct 84

<210> 19735  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 19735  
tcattagtca aaatagtcac agagatccat ctaggttcaa gggaggaaca taaactgcac 60  
ctttttcttt ctttcttttt ttctcttttt ctttt 95

<210> 19736  
<211> 342  
<212> DNA  
<213> Homo sapiens

<400> 19736  
ttaaattgcag tagtccaggt gggggcaatg gagagggaga gaagtgggct catttagaaa 60  
atatttgga gatgaaatat gatgaggttt agtccctgat tgggtctgaa agtgagagga 120  
aaaggagtca aggatgactt ccagggtttc tagcttgagc aaacaggata acaaacatgg 180  
aggaaggatca aattaggagg gggaatgtga atttgattt gtacattttg agtttgagtt 240  
acctgtgaga taccgggtag caggtggagc cctggagact tgggagttgg tcgtaaatgt 300  
tactgaggtc gtagaagtga ttgagattgc gcaggagga aa 342

<210> 19737  
<211> 179



<212> DNA

<213> Homo sapiens

<400> 19737

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actattttct atctgtgcat ctatacttgc tgatagatgc atggagtaca ggtgtctgtg	120
agttagtgga atctcwndat tccthccakg hgaagcgttt ggtattttta agtggatat	179

<210> 19738

<211> 163

<212> DNA

<213> Homo sapiens

<400> 19738

attaaccttt ttttcttttt tattatactt ttaagtttta gggatatatgt gcacaacgtg	60
caggtttggt acatatgtat acatgtgccca tgttggtgtg ctgcacccat taactcgtca	120
tttagcatta gatatatctc ctaatgcwwt ctctccctcc tct	163

<210> 19739

<211> 231

<212> DNA

<213> Homo sapiens

<400> 19739

accatgctgt tttggctagt atagctctgt agtataatth gaagtcaggt tatttgattc	60
ttctaatttt ctctttttgc tttggattgc tttggctatt caggctcttt ttttggttcc	120
atatgaacgt tagaatacgg ttttctwatt ctgtgraaaa tgatrwtggw agtttgatag	180
gaatagtgtt gaatctakar attgckttgg gcagtatgac cattttaatg a	231

<210> 19740

<211> 88

<212> DNA

<213> Homo sapiens

<400> 19740

gcgcattgctc gggggaggcg gattccgggt ccggagttgg aggcctttggg cggccgcggc	60
gtasgcrcgw tdccggggcc ggcgggga	88

<210> 19741

<211> 102

<212> DNA

<213> Homo sapiens

<400> 19741

cttatccata agagctttgc ttgcaaatac caccacaaag atggttacct ttctagcctt	60
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<210> 19742

<211> 314

<212> DNA

<213> Homo sapiens

<400> 19742

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gtgccacccc	cggataat	ttgtat	agtagagatg	gggtttcacc	atgttggtca	120
ggctggtctc	gaactcctga	catcgtgatc	caccgcctc	gacctccaa	agtgtggga	180
ttataggcgt	gagcaacctc	gcccagccgc	atccgatatt	tttagaactt	acactgttca	240
gtacaggagt	tagcagtgg	taaaacacaa	actttggaaa	gagttatgat	atctaaagtt	300
acagagctag	caaa					314

<210> 19743  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 19743						
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atcgactcat	ttttttttta	attttttttg	agattgagta	ttgctcttgt	tgcccagggt	120
ggactgcaat	ggcatgatct	tgggtcactg	caacctcc			158

<210> 19744  
 <211> 134  
 <212> DNA  
 <213> Homo sapiens

<400> 19744						
gttcaagcga	ttctcctgcc	tcagcctcct	gattagctgg	gattacaggc	atgggccacc	60
gtgcctggct	gatgtttgta	cttttagtag	agacgggtgtt	tttccatgtt	ggtcaggctg	120
gtctccact	cccc					134

<210> 19745  
 <211> 50  
 <212> DNA  
 <213> Homo sapiens

<400> 19745						
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<210> 19746  
 <211> 84  
 <212> DNA  
 <213> Homo sapiens

<400> 19746						
ctttcaaaca	aatcta	atgc	tgttacgtct	agaatgccac	atgccc	60
caacctggaa	agaaca	aaca				84

<210> 19747  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 19747						
aaaaaaataa	gaaagagaaa	atattcaact	tttacaagat	ggaatgaaac	aaagattgac	60
tgcaattgga	gtaaatactt	ctatttgaca	ttttttaaaa	ascacagaaa	atctttaaaa	120
tgtkgtgtaa	agtttctg	cc	tgggtcggwg	actcacgcct	gtaatcccgg	172

<210> 19748

<211> 117  
 <212> DNA  
 <213> Homo sapiens

<400> 19748  
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 atttcgacta gccctgtaac ccagtgattt tccttctttt tttttttttt ttttttt 117

<210> 19749  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 19749  
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 tgcattaggt atttgtccta atgctatccc tccccttgcc ccccat 106

<210> 19750  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 19750  
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 cgtgatcaca aaatggcaaa tgattttgtc ctcgggggcc tgggtgtctct gatgggtact 120  
 cagtagtagg agtgtctatt cccttaggga ggaggggtgga cctcagtgga tccatggact 180  
 tgggtcccaag atcgtttagag atgtttagatt tgtcccttag aagatcactt ctatatatcb 240  
 gaggctgtga ctcatgcctk ntaatcccag tactttggga ggctgaggtg ggcgcac 297

<210> 19751  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 19751  
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 aaaccaagcc ttgagatgta tctttgaagc tgaagctggg aatacactag ggtgagggaa 120  
 gtgggaacca gccctgcaaa gtatggattt caatggcaca ccgccc 166

<210> 19752  
 <211> 81  
 <212> DNA  
 <213> Homo sapiens

<400> 19752  
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 ttgattttga ttttkttttt t 81

<210> 19753  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 19753

004220 "666T560

gaatacaaac	ttataattta	tttcttatct	aaatttaaaa	agcagaggcg	aatacctcct	60
aaggaaaca	tacctaataa	aacaaagcca	tgtggagagc	ataaagaatg	aatttggttg	120
ttattatacc	tcgcatttgc	tgatggacat	tgctatatgt	gtgtgtgtct	gtacagatac	180
gtacaaatat	gtgtatgtac	attcccatta	aactcatgag	tgtagctgca	taatagagta	240
aggcctcagc	cttgtggaat	ttvdagatgt	ctccctcccc	ctgtaa		286

<210> 19754  
 <211> 259  
 <212> DNA  
 <213> Homo sapiens

<400> 19754	
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aggagtccca	gaccagcctg
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tctctactaa	aaatacaaaa
attagcgaag	tatagtggcg
cgcgcctgta	atcccagcta
ctccagaggc	tgaggcagga
gaatcacttg	aaccccggag
gcagaagttg	cagtgaagca
aaatcgtgcc	actgcactcc
agcctgggca	acagagcaag
actttgaccc	tcccctcac
	259

<210> 19755  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<400> 19755	
atztatccat	ttcctctaga
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aaggtgttca	tagcagcctt
gaatgatctt	ttgtatttct
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tccagtttca	tttctaattg
agcttatttg	gatcttctct
cttcttttct	tggttaatct
cactaatggg	ctatgaattt
tctttatctt	ttcaaagaac
cagctttttg	tttcattttt
atcttttttt	gtttgtttgt
ttgaggtctt	tttaaaatag
tttctatttc	tctgcagaga
catcctattt	ttccattcat
tccacatcat	ttccathbwt
tcaaagtgtg	ttactttgac
ctcatggatc	atagttatag
tagatgcttt	aaagtcttct
ataattcaca	tctttttggg
attcacatct	ttttt
	415

<210> 19756  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<400> 19756	
tctgtaatcc	cagcactttg
ggaggccgag	gcaggcggat
cacttgagggt	cagcagtttg
agaccagcct	gggcaacatg
gggaaacccc	ttctctacta
aaaatacaaa	aattagctca
gcatgggtggc	acgkgcctgt
aatcacggck	actcaggagg
ctaaggtagg	agaatcgctt
gaaccctgga	ggtggaggct
gagtgcgcca	ccgcactcca
gcntggggga	ca
	232

<210> 19757  
 <211> 126  
 <212> DNA  
 <213> Homo sapiens

<400> 19757	
ctgtccattc	ccaccctttt
ccccccagca	tctggtaacc
accattctac	tctctacttc
taggagttaa	actcttttag
agtccagata	aaagtgagat
catatggttt	ctgtctctct
gtgcct	
	126

<210> 19758

<211> 171  
<212> DNA  
<213> Homo sapiens

<400> 19758  
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gatatgggtt ggctgtgtcc ccacccaaat ctcaacttga attgcagctc ccataattcc 120  
cacatgttgt gggagggacc ttgtgggaga taattgaatc atgggggcag t 171

<210> 19759  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 19759  
aaatggactt tcgctctgtc acccacgctg gagtgcactg gcgcaatcta ggctcattgc 60  
aacctccacc tcccgggta 79

<210> 19760  
<211> 143  
<212> DNA  
<213> Homo sapiens

<400> 19760  
atggcctggg gagawggggc tgtgtgctcc attccaggat caagactttg tagaaatcat 60  
gttttctaga tggttgtggg ctgtgtgcag cagaaggact caaggcaatt aacatacagc 120  
taatgaavct ccaaagwkgc acc 143

<210> 19761  
<211> 109  
<212> DNA  
<213> Homo sapiens

<400> 19761  
ttctcctgcc tcagcctgct gagtagctga aattacaggt gcacaccacc acgcccagct 60  
aatttttgka tttttttag agacaggggt tcaccatggt ggtcaggct 109

<210> 19762  
<211> 150  
<212> DNA  
<213> Homo sapiens

<400> 19762  
agttggttct ttgaaaaaac taaaaaaaca aactaagctc tggcaaatta aatgaaagag 60  
gtcaaataat ccctaccaga aattttaaata ggaacataaa gttaaataca gcagaagttt 120  
taaaaggcag agaggatata atgtactttt 150

<210> 19763  
<211> 146  
<212> DNA  
<213> Homo sapiens

<400> 19763  
cttgtggttc ataaactaag agaccttcat gcctgtagag attggggaga ctggmmagtt 60

tgagtgagtc aagagtgcta gaatgatttc cccatcaaaa gggcatgacc cctggcccca 120  
agcttgtaga gcagcatctg cccctc 146

<210> 19764  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 19764  
taattgtttt atttactcag tcagatttca actccctcaa yttctgaatg actcccttgc 60  
tgggagtcag gttctcagtt attattacaa aatttaataa tggaacagtt ccatatgcat 120

<210> 19765  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 19765  
aaaattagcc gggcgtagtg gcgggtgcct gtagtccag ctacttggga ggctgaggca 60  
ggagaatggc atgaaccccg gaggcggagc ttgcagttag ccaagatygc gccactggac 120  
tcsarcctgg rgggwcdkag gtgatactcc a 151

<210> 19766  
<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 19766  
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ggaccgaagc ttccggacga cgaggaaccg cccaacatgg cctcggagggt ggctgaggar 120  
tggggccagg gcaccttcaa astgaactcc aatgatgagg acatccac 168

<210> 19767  
<211> 100  
<212> DNA  
<213> Homo sapiens

<400> 19767  
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tgtttgagac agagtctcac ttgcttccc argctggagt 100

<210> 19768  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 19768  
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<210> 19769  
<211> 103  
<212> DNA  
<213> Homo sapiens



<213> Homo sapiens

<400> 19774

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agctcactgc	agcctcgacc	tcctgggctc	aagcaatcct	cccacctctg	ttccctgagt	120
agctgaaacc	acagaccatt	acctaagacm	tytttwaaaa	attagcwaga	tatggtggca	180
cacgcctgtg	gtttcagcka	ctcagggaac				210

<210> 19775

<211> 188

<212> DNA

<213> Homo sapiens

<400> 19775

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gcgatcctcc	caccttggcc	tcccaaagt	ctaggattat	aggtgtgagc	cactgcaccc	120
agctbrggt	gagttttgaa	gcataggtgg	gcttraggca	gttaagbagg	gcattcatga	180
tgggggcc						188

<210> 19776

<211> 242

<212> DNA

<213> Homo sapiens

<400> 19776

tattttcttt	atccagtcta	tcattgatgg	gcatttggtg	tggttccaat	tctttgctat	60
tgtaaatagt	gcagcaataa	acatacatgt	gcatgtctct	taatcgtaga	ataaktata	120
atcctttggg	gatatgccca	gkkgggattk	dctgggtcaa	atggtatttc	tggttckaga	180
tccttaagga	ttcaccatac	tgtcttccac	aatggttgaa	ctaatttaca	ctccccccaa	240
ca						242

<210> 19777

<211> 173

<212> DNA

<213> Homo sapiens

<400> 19777

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cactgtcaat	ggactgcaaa	caaaactcgt	ttctgttatt	gatgataaac	catttcagag	120
aaagaccagr	ctgagtckaa	arggttmaga	ttrawtwacc	raagggraag	gma	173

<210> 19778

<211> 103

<212> DNA

<213> Homo sapiens

<400> 19778

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ctccctccct	cttccctcc	ccagccccc	ctccacccc	gct		103

<210> 19779

<211> 60

<212> DNA

<213> Homo sapiens





<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 19785  
taaataaaac ttctcaggat aaattgtgat catctagttt attcactcat gaaacaaata 60  
cttgcatcct tctttttatac aaagtcctgt gttagttgtg ggaatggaga gaagagaatg 120  
tatctaaggw ggcagagcag wcagattttg gcadctgatt agatat 166

<210> 19786  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 19786  
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gtgcctgtaa tcccagctac ttgggaggct gaggcaggag aatcgtttga acctgggagg 120  
cagaggttgc agygagccgg gatttgcacc aatgcactcc agcctgggta acagagcgag 180  
actccatctg a 191

<210> 19787  
<211> 135  
<212> DNA  
<213> Homo sapiens

<400> 19787  
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agcattggga aatgggagca cagtactggg aaatnraagc tcacagtcct gggaaabggg 120  
agcatagtgc tggga 135

<210> 19788  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 19788  
tatgtatata ttctataatg attaccacaa tcaaaatga'c acatctgtca ccaatcatgc 60  
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ctccccattt cccctgcttt cccagcccc tc 152

<210> 19789  
<211> 249  
<212> DNA  
<213> Homo sapiens

<400> 19789  
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gaaatcacc accaaaaaga tggcattgtg aggagtcata ttcagttttt knaagaattt 180  
tatatatcct agaactgtat tgctaagaag agttggtttt tcagttaaga aaaatccctg 240  
ccccacacc 249

<210> 19790  
<211> 75

<212> DNA  
<213> Homo sapiens

<400> 19790  
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agaaggggcc atgtt 75

<210> 19791  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 19791  
aataactgca ggatatacat tattttatgc acttatgaaa catataacaa catagaccat 60  
atcctggaat ataaaacaag cctcaacctg aaaaaataat caaattcata cagtgtttta 120  
atattttcct gtttataacc tgttactgat tctta 155

<210> 19792  
<211> 81  
<212> DNA  
<213> Homo sapiens

<400> 19792  
agcagagagg aaacggcaga gccagagaga aagaggaaga gactgagtgt gaaggagaga 60  
ggacacakgg gatgactgag a 81

<210> 19793  
<211> 78  
<212> DNA  
<213> Homo sapiens

<400> 19793  
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cgggatgggg cgtgatgc 78

<210> 19794  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 19794  
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tacaaaaaaa ttggccggac gtgggtggcg gcacctgtgg tcccagctac tcgggaggct 120  
gaggcaggag atgggtgtgag cccaggaggc agagcttgca 160

<210> 19795  
<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 19795  
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gcctcaacct cc 132

004320"666E560

<210> 19796  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 19796  
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ccctcc 126

<210> 19797  
<211> 328  
<212> DNA  
<213> Homo sapiens

<400> 19797  
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agcaggagat ggtcaaggca arrcgarbat agcatcactc rgctctgaca tctgctagga 180  
aaggcatgca grkgtgctgg tagcttgac tcttactcaa atgtgtgttc cccagggaac 240  
aggagccatt gtcctttcct gttgacctcc agggcacatg ccaggaggtg cctctgctgg 300  
ttgggagtwc ttgacttaag ataaatca 328

<210> 19798  
<211> 64  
<212> DNA  
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<400> 19798  
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<210> 19799  
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<212> DNA  
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<400> 19799  
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tcctgtattt taataaatac aagtatttca gttttgtttg tttttctctt ctggaaataa 120  
atgctacaag cgcatctact gcacgtacaa ataaagtitt aaaaatcccaa cttctttgct 180  
tggcatttaa ggtgctacaa gctatctttt tttttttttt 220

<210> 19800  
<211> 129  
<212> DNA  
<213> Homo sapiens

<400> 19800  
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aaatgcaca 129

<210> 19801  
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<212> DNA  
<213> Homo sapiens

<400> 19801  
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tgggtgctgt gactcatgcc tgtaatccca gcactttggg aggccgaggc aggaggatca 120  
cctgagggtca ggagtttcag gccagcctgg ccaacatggc aaaaccctgt ctctactaaa 180  
aatacaaaat tagccgggca tgggtggcgca tgactataat tccagctact caggaggctg 240  
aggcaggaga attgcttgaa ccaggaggtt gga 273

<210> 19802  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 19802  
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<210> 19803  
<211> 362  
<212> DNA  
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<400> 19803  
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aactgcatgc agggcggcac gtaacaacgt ttaacttttt gagataaatc cacacatcat 180  
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cc 362

<210> 19804  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 19804  
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tgaagcaatc aattatgttt tattggaccc atat 94

<210> 19805  
<211> 224  
<212> DNA  
<213> Homo sapiens

<400> 19805  
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ggcacatatt ttgagaaaaga cgcaaaactg ctttagttac agaaacaaaa tcagcctcca 180

004220" 66557560

aacaaaaaaaa caaaaactgt aaaattgttaa ttaataaagg ccca

224

<210> 19806

<211> 137

<212> DNA

<213> Homo sapiens

<400> 19806

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<210> 19807

<211> 331

<212> DNA

<213> Homo sapiens

<400> 19807

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cctcaacctt	ccaaagtagc	tgggattaca	ggttcccacc	accatgccca	gtgaattttt	180
tgtatttttt	ttgatagaga	tggggtttca	ccatgttggc	ctggctgggc	tcgaactcct	240
gaccttgtga	tttgygcacc	tcggcctccc	aaagtgttgg	gactacaagt	gtgatccatc	300
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<210> 19808

<211> 282

<212> DNA

<213> Homo sapiens

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tttatctgaa	ctttttattg	atagtgatag	ctggaacat	cttcagtga	aattgakncg	180
ttgaaataaa	ctgaaggcat	tccgaaggag	gagggaaaaa	aatacgtaaa	aagaaaaaca	240
aaaaagaaat	aaactggagc	actgcccagt	ggtggcgaaa	ct		282

<210> 19809

<211> 75

<212> DNA

<213> Homo sapiens

<400> 19809

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<210> 19810

<211> 78

<212> DNA

<213> Homo sapiens

<400> 19810

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aaatacaaaa	aaaaaaaa					78

<210> 19811  
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 <212> DNA  
 <213> Homo sapiens

<400> 19811  
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<210> 19812  
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 <212> DNA  
 <213> Homo sapiens

<400> 19812  
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<210> 19813  
 <211> 212  
 <212> DNA  
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<400> 19813  
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 gttttttgt agarnakggg gtttctccat gttgccttag ctggtctcga actcgtgagc 180  
 tcaggagatc tgctgcctc tctgcccgc aa 212

<210> 19814  
 <211> 125  
 <212> DNA  
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<400> 19814  
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 cactc 125

<210> 19815  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 19815  
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 ggcagggggc ctctctgk mgvaaacgag cgcggatacc gtccgggaag gccgngcag 180  
 caaatggatt tctcatggaa ggt 203

<210> 19816  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 19816  
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atgagattgt gccgctgcac tcaagcctgg gggacagagc cgggctctgt ctcaaaaaaa 120  
aaaaaaa 127

<210> 19817  
<211> 284  
<212> DNA  
<213> Homo sapiens

<400> 19817  
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taaaatgtat catcagactt cattcttcat tacattcaga tagtatgttc tctgttggtg 120  
actaagaatg cacacactaa tgamacaatg atgcaactga aaaattgtaa aggccttcaaa 180  
atttaatgas aaactgttca agtccacatt tggacactgc tgtagataaa taattcatct 240  
ttattgaggc aaagttgaca ttcatgttt gtatgcggcc caat 284

<210> 19818  
<211> 83  
<212> DNA  
<213> Homo sapiens

<400> 19818  
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tctcaaaaaa aaaacaaaaa aac 83

<210> 19819  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 19819  
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tctcatcacc cacgtagtga gcatagcacc taataggtag tttttcaacc ctac 115

<210> 19820  
<211> 140  
<212> DNA  
<213> Homo sapiens

<400> 19820  
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cgtgatccac ccaccttggc ctcccaaagt gctgggatta caggcgtgas cactgcaccc 120  
ggcctgarac tcttgaaaga 140

<210> 19821  
<211> 57  
<212> DNA  
<213> Homo sapiens

<400> 19821  
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004220"666T560

<210> 19822  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19822  
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cgagactcca tctcaaaaaa aaaa 84

<210> 19823  
<211> 56  
<212> DNA  
<213> Homo sapiens

<400> 19823  
atgaatattt tgacaatatt aattcttcca atccatgaac ataggatatc ttcctt 56

<210> 19824  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19824  
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gtcacatkgc ttcgagag gyc 84

<210> 19825  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 19825  
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aggagttcga gaccagcctc aacatgggga aacc 95

<210> 19826  
<211> 91  
<212> DNA  
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<400> 19826  
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cggcggcggg gatcctgccg agcccgcagc d 91

<210> 19827  
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<212> DNA  
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<400> 19827  
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<210> 19828

<211> 97  
<212> DNA  
<213> Homo sapiens

<400> 19828  
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tgtggtggct tacgcctgta gtcccagcac cttgaga 97

<210> 19829  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 19829  
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<210> 19830  
<211> 86  
<212> DNA  
<213> Homo sapiens

<400> 19830  
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ctccatctcc aaaaaaaaaa aaaaaa 86

<210> 19831  
<211> 233  
<212> DNA  
<213> Homo sapiens

<400> 19831  
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gttgcccagt ctggagtgcg gttgtgtgat ctgggtcac tgcaacctct gcctcccggg 180  
ttcaagcgat tctcctgccc cagcctcccg agtggctggg actacaggca ccc 233

<210> 19832  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 19832  
agacatggaa cttggctggt ctgcagggah vssccactgt tttggccggg agtagggggc 60  
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ctgtgggc 128

<210> 19833  
<211> 93  
<212> DNA  
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caacacggca aaaccccgcc tctactaaaa, aaa

93

<210> 19834

<211> 221

<212> DNA

<213> Homo sapiens

<400> 19834

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taatcccagc	actttgggag	gccgaggcgg	gtggawcaga	aggttaggag	ttcgagacma	120
rgyctgahca	accwtgmtga	arcccdatc	tctactaraa	atacwraaat	tagctgggtg	180
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<210> 19835

<211> 354

<212> DNA

<213> Homo sapiens

<400> 19835

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agctgagahy	ammggtgcag	gccaccaacg	cctggctaata	tttaaatttt	tkkcttttgt	180
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tctcaccttg	gcctcttaaa	gtgctgggat	tacaggcgtg	acammtgcac	ctggccagat	300
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<210> 19836

<211> 119

<212> DNA

<213> Homo sapiens

<400> 19836

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tgaggcaaga	tcgtgccatt	gcactccagc	ctgggtgaca	agagtaaaac	tccatctta	119

<210> 19837

<211> 204

<212> DNA

<213> Homo sapiens

<400> 19837

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tgagaatgac	gaataaagat	ttgtacttgg	aaaagttcct	tatggctgca	gaaggattta	180
ctgcagagtt	tggagggtga	ggc				204

<210> 19838

<211> 118

<212> DNA

<213> Homo sapiens

<400> 19838

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ggcaggagaa	ttgcttgaac	ctgggagggtg	gaggttgcag	tgggctgaga	ttgtgccc	118

<210> 19839  
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 <212> DNA  
 <213> Homo sapiens

<400> 19839  
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 cgcgctgtga atcccagcta ctccagaggc tgaggcagga gaatcacttg aaccccgag 180  
 gcagaagttg cagtgaacca aaatcgtgnc actgcactcc agcctgggca acagagcaag 240  
 actttgacct tcccctcac 259

<210> 19840  
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 <212> DNA  
 <213> Homo sapiens

<400> 19840  
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 tgtaagcwaa attgaaacag ggatgtatct gtttagtttt acatgtgatt aaatggattt 180  
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 aactctggtg tttaaccttt agatcctcgt actcagttcc caaatccaga ggctaaacct 300  
 gaaatgacaa tgccagatgt tttcacacac acaca 335

<210> 19841  
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 <212> DNA  
 <213> Homo sapiens

<400> 19841  
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 tggtagagaca tggtagagg gttgttatca gaatggagtg gcagtgcata gtgacagatg 120  
 atttggrwta attattasat tggrttagat agtatacaga cgttctaagg aattgctaga 180  
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 gccctct 248

<210> 19842  
 <211> 89  
 <212> DNA  
 <213> Homo sapiens

<400> 19842  
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 cttgccaaag gtaaaaaaaaa aaaaaaaaa 89

<210> 19843  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 19843  
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<210> 19849  
<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 19849  
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ttaaagcact gmmstcatca tataatttct cagttcagaa tgtcac 106

<210> 19850  
<211> 114  
<212> DNA  
<213> Homo sapiens

<400> 19850  
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ccgagggggca accaggggaa gatgggggtgc tggaggagag cttgtggggag ccaa 114

<210> 19851  
<211> 372  
<212> DNA  
<213> Homo sapiens

<400> 19851  
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ccctcagccc ccgtcctcth gtcctcctca gcctcgggtgc cttggaattt gtgtcgctga 180  
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actcaaacia gtcattcctc ctaaggagct ggtgtcctca tccagaaggg acagtttgtg 300  
ccagctctcc agagagaaaa ggtgagagcc atggggactt gaccttgctg ccttctctat 360  
ckggtgcaga ga 372

<210> 19852  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 19852  
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ctgtatgctt ataatgtgag catacagcac agtgcatttt cataaacaga tcatta 116

<210> 19853  
<211> 299  
<212> DNA  
<213> Homo sapiens

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ttcattttta aagtcctaag ttacctgcta caagtatagc tactcctctc ttttggtttc 180  
tttttgtgtg gaatgtcttt ttttattcct tcactttcag gctatgtttg tccttaccta 240  
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<210> 19854  
<211> 199  
<212> DNA  
<213> Homo sapiens

<400> 19854  
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agatgggggtt tccgcckgtg ttggctaagg ctggctctga acccncgacc tcaaattgatc 180  
caccggyctc ggccccctt 199

<210> 19855  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 19855  
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ttcctgagta gctgggatta caggcgacaca ccaccatt 98

<210> 19856  
<211> 160  
<212> DNA  
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<400> 19856  
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tatcattagg tatatctcct aatgctatcc ctccccctc 160

<210> 19857  
<211> 172  
<212> DNA  
<213> Homo sapiens

<400> 19857  
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tcscacctns ccctcctctc aaggccccta gaaaggttgg agctaccgcc gc 172

<210> 19858  
<211> 55  
<212> DNA  
<213> Homo sapiens

<400> 19858  
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<210> 19859  
<211> 301  
<212> DNA  
<213> Homo sapiens

<400> 19859

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cacctgaggt caggagttca agaccagcct ggccaacatg gcaaaaccct atctctacta 120  
aaartacaaa aaattnscca agtatgggtg cacacgtctg taatcccagc tacttgggag 180  
gctgaggtag gagaattgct tgarsccagg aggtggaggt tgcagtgagc tgaggtcgtg 240  
ccattgcact ctagcctggg tgacatggtg agacctcggc tctactgtaac ctccacctcc 300  
a 301

<210> 19860  
<211> 69  
<212> DNA  
<213> Homo sapiens

<400> 19860  
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ttycttttt 69

<210> 19861  
<211> 208  
<212> DNA  
<213> Homo sapiens

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gcttttgacc tataaattca tttttcctag aacaaatcct gtctgttgca aatgaaatat 120  
atthtagttt tgacaattaa ctttccttga aataattttt atttcagagc ctatcaaaat 180  
gcacatttta actgaaccct cctatttc 208

<210> 19862  
<211> 156  
<212> DNA  
<213> Homo sapiens

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ttctttgagt tatataggat tattatcttt cttttt 156

<210> 19863  
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<211> 153  
<212> DNA  
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caagtcgatt gggcgtggca agtgaccctc ccc 153

<210> 19865  
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<212> DNA  
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<400> 19865  
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<210> 19866  
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<213> Homo sapiens

<400> 19866  
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ctggtgaagga gttactttct cdbccaaccc caa 153

<210> 19867  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 19867  
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attgttatat aactctattt ccaggcacaa ratcatataa ctatttggtc tgtcttttat 180  
tttcatatct ttagattatt ttgaacagga tattatgact gccactgt 228

<210> 19868  
<211> 106  
<212> DNA  
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<400> 19868  
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gtgttcatag tanccttgaa taatcttttg tatttctgtg gtatca 106

<210> 19869  
<211> 178  
<212> DNA  
<213> Homo sapiens

<400> 19869  
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tatatgagaa tttgatcctg tcatcatgat gctatctggt tattttgcac actagttag 120  
ggagtttttc atgatgkarw tggcttttat attttggtgt gtttttgcag tggctgtt 178

<210> 19870  
<211> 248

<212> DNA

<213> Homo sapiens

<400> 19870

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tttaggttac atgtgcacaa tgtgcagggt agttacatat gtatacatgt gccatgctgg	180
tgtgctgcac tcattaactc gtcatttagc attaggtata tctcctaaag ctatccctcc	240
ccgctccc	248

<210> 19871

<211> 168

<212> DNA

<213> Homo sapiens

<400> 19871

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ccctcagagc cactgacaga ggctgagagc aacatataat tgcagaatga gcactgaatt	120
tggagtcaga cagcctcagg tataaaactc caaattccac gtcagcct	168

<210> 19872

<211> 149

<212> DNA

<213> Homo sapiens

<400> 19872

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atgtgaaaaa taaaatgtga ccccaccac aatgaaaaca tgaaacactt ccattaccct	120
tggggccctt tgaacagtcc cctccac	149

<210> 19873

<211> 219

<212> DNA

<213> Homo sapiens

<400> 19873

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aaaagcctgg gtcagaatc atgctaccat ttacagggga aaaaatatgt actaattttt	120
aagatgtatt atttataaaa tactactttg tttcatgcag tggtccttat tattcaaagg	180
aaagaatcag gaaccaggat acagttgtta aaaggaaga	219

<210> 19874

<211> 53

<212> DNA

<213> Homo sapiens

<400> 19874

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<210> 19875

<211> 94

<212> DNA

<213> Homo sapiens

<400> 19875  
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<210> 19876  
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 <212> DNA  
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<400> 19876  
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 ggagaaggaa cyccaargac attgtcaacc gaa 153

<210> 19877  
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 <212> DNA  
 <213> Homo sapiens

<400> 19877  
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 acagggtttt tttaggtakca aatatggtga tacagggtact gtggcatgtc t 171

<210> 19878  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<400> 19878  
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 gtgatttgcc tgcctcgacc tcaa 264

<210> 19879  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 19879  
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<210> 19880  
 <211> 281  
 <212> DNA  
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<400> 19880  
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cggggcaggc tacgttacat tatggcagaa aaaaagtgc actgacatac taaaagaga 240  
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<210> 19881  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 19881  
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 accta 125

<210> 19882  
 <211> 128  
 <212> DNA  
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<400> 19882  
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<210> 19883  
 <211> 125  
 <212> DNA  
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<400> 19883  
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 caggt 125

<210> 19884  
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<400> 19884  
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 aatgagctga gccggggccc gaccagctcc ccctgcgagg aggaggggga cgaaggggag 120  
 gaagaccggr maagsmcct tagggatgag gcctcctcag tcaccaggga gctggatgag 180  
 catgagctag actacgatga 200

<210> 19885  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 19885  
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 ctactacaa cctccgcctc ctgggttcaa gcagttctcc tgcctcagcc tcctgggtag 120  
 ctgggattac aggtgcccac vaccacacch ngct 154

<210> 19886  
<211> 159  
<212> DNA  
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<400> 19886  
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aaacawagta amtarttggg aaacgtgatt ttttttttt 159

<210> 19887  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 19887  
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ca 122

<210> 19888  
<211> 51  
<212> DNA  
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<400> 19888  
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<210> 19889  
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<212> DNA  
<213> Homo sapiens

<400> 19889  
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tggaatagct ggtactamar ggcgcccgcc accatgccca actaattttt gtatttttag 180  
tagagatggg gtttcacat gttggccagg atggctcttga tctcttgacc ttgtgatcca 240  
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<210> 19890  
<211> 179  
<212> DNA  
<213> Homo sapiens

<400> 19890  
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agagcaatgg cgtgatctca gctcactgca acctctgcct cccgggttcg ggtgactctc 120  
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<210> 19891  
<211> 455  
<212> DNA  
<213> Homo sapiens

09-3202-02

acagcgctcc gccagagctg ccgcccgcgga ctgcgcggga gtgggggtct ccgctggtgc 60  
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ggggttctgc kgdstgttag ggacagwrgc aaagaagggc aggacggtcc ggtttcccg 180  
ggatgttccc gcccgagaaa gacagcaagt tgtgtgtgcg cccgggaygy gggaggraag 240  
gtagccgcg cc 252

<210> 19897  
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<212> DNA  
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<400> 19897  
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ctgagttcca tagaaactgg wgtdagyata attatccctc aaggagcc 168

<210> 19898  
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<400> 19898  
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gcactccagc ct 132

<210> 19899  
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<212> DNA  
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<400> 19899  
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<210> 19900  
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<212> DNA  
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tttctaatat aattatactt taccaataat cttaaagcta gcttatttat taaagatttt 180  
agttaagttg cataaacttg aaaaagcatt tgactagtct tttttbcaca taaagtattt 240  
gattcaagtg cttttatttt cttaagccaa ttaattagag ctttcttctt tt 292

<210> 19901  
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<212> DNA  
<213> Homo sapiens

<400> 19901  
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cagntgatgt	ttttatggag	tttcagcttt	cttccaatgc	acttagagca	ctcagaaatt	240
gtataatntg	tgtgaccatt	gttagttttg	cttaactggt	ttgttggttg	tttctgtctt	300
agtcaaactc	gaaggggaac	cctaaattac	ggggtcaagg	actcnanngt	ggtaggaaaa	360
cagccagctt	aaaaaacttt	ttttaaattt	taattactat	aggggc		406

<210> 19902  
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 <212> DNA  
 <213> Homo sapiens

<400> 19902						
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tcggctcact	gcaacctcca	cctcccgggt	tcaagtaatt	ctcctgcctc	agcctcctga	120
gtagctggga	ttgcacgtac	ccaccaccac	actattcttc	ccctccattt	cttatgtctt	180
gactnrgatg	gccttctttt	acttctgtca	atatataatc	ctccctccca	atacagggtc	240
tctc						244

<210> 19903  
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 <212> DNA  
 <213> Homo sapiens

<400> 19903						
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ctcctgcacg	cggtgcttgg	gctcggccag	gcggggctccg	ccgccagggt	ttgaggatgg	180
gggagtagct	acaggaagcg	accccgcgat	ggcaa			215

<210> 19904  
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 <212> DNA  
 <213> Homo sapiens

<400> 19904						
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<210> 19905  
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 <212> DNA  
 <213> Homo sapiens

<400> 19905						
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gtcttcttag	ggaaatgtct	attcagatca	tttgcatt			158

<210> 19906  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens



<400> 19906  
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 agccactgca ctccgncctg ggcaacagag caagactccg tctcahaaat aaataaatat 180  
 atmmaarata aataataaa 199

<210> 19907  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 19907  
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 tagaagagat amtaaracag ataaaactga tctgctcagg ggcctgtctt cagtcttttc 180  
 aggctcggtt actgtggtgt tcatgccagc gcascctggta gacagtgttg ctgtggctgt 240  
 agaaataaca ctgctctc 258

<210> 19908  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 19908  
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 aataaaaaac cacaccaaga ttgatggcaa tagatgtaat tgaaaagagg aaacagaact 120  
 gaggaatgat ttttgaattt gtagtaggadg aggt 154

<210> 19909  
 <211> 122  
 <212> DNA  
 <213> Homo sapiens

<400> 19909  
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 aatagttaca ccaaacagat tctgtcagtg cagttgttgt ataggtgaat agatggattt 120  
 ct 122

<210> 19910  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<400> 19910  
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 gccgcccaat ttccatttg gaagctcggt tgcctggtgg cgcattgccct agatggaggc 120  
 agtggctctg ccaatgatcc tgtgagtatt caggaatcac tgttgcccct ggggatcctt 180  
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<210> 19911  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<400> 19911  
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aaaa 124

<210> 19912  
<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 19912  
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cataccccgc at 132

<210> 19913  
<211> 201  
<212> DNA  
<213> Homo sapiens

<400> 19913  
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ggaggtggag gttgcaagtg agccgagatc gcgccactgc actccagcct gggcaacaag 180  
agcgaaactc tccccacgc a 201

<210> 19914  
<211> 250  
<212> DNA  
<213> Homo sapiens

<400> 19914  
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gagtgagtg gagggaatg gactgcactg gaatgaaatg gmrattgaat tcagttgaat 180  
ggaatagaat ggaatggaat ggagaggaat ggaagggaga gtaatgamgt ggattggaga 240  
ggagtggaat 250

<210> 19915  
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<212> DNA  
<213> Homo sapiens

<400> 19915  
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atagaatcam aaatatcaaa ttcttaggaa tacatcaaag aaaagttata ccaaacctcc 180  
atacataara tgatattatt gaaggaattt ttaagagact taggcaaggg agatatatbc 240  
catgttcatt gttttaaaga ctcaatatgt taaakatttc agttctcacc aaaatgatct 300  
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<210> 19916  
<211> 138

<212> DNA

<213> Homo sapiens

<400> 19916

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agcctgcaaa tgtgggaa	138

<210> 19917

<211> 130

<212> DNA

<213> Homo sapiens

<400> 19917

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catacactgg ggaaagagtg ttctagcccc agcagccctc aacaggccca gggaggggaag	120
tgtgagctga	138

<210> 19918

<211> 277

<212> DNA

<213> Homo sapiens

<400> 19918

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aaagggggag gggagcacca cctcccaaga agtagagctg gctaattcac agaggggggc	180
acctttggga atagccaaag ctactttttc ctcccttcct atttatcctg tgtccctgag	240
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<210> 19919

<211> 141

<212> DNA

<213> Homo sapiens

<400> 19919

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aaagatggca tggaaccacc c	141

<210> 19920

<211> 348

<212> DNA

<213> Homo sapiens

<400> 19920

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gtgtgtgagc tgaacatttt caccttttgg attggcctct tatagcatct tatctgttta	180
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gttataatta actcatccta cgactacaaa actcacctta aaagtgtact aagttgtbna	300
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<210> 19921

<211> 171  
<212> DNA  
<213> Homo sapiens

<400> 19921  
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<210> 19922  
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gaccctgtga gaatagggct ttggcactgc tgaagtcctc agcctctgac tagtagcttg 240  
cca 243

<210> 19923  
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<212> DNA  
<213> Homo sapiens

<400> 19923  
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tggttattat ctttcattct gttgatgtga tgtatcacat ttattgattt gcatatgttg 120  
aaccctcctt gcatccctgg aatgattcct acttcattat agtgtataat ctttttgatg 180  
tgctgtttga tttgggttgc tagtattttg ttgagaattt ttgcatctgt gttaatcagg 240  
gatatttacc tgtggttttc tttttttttt tttt 274

<210> 19924  
<211> 312  
<212> DNA  
<213> Homo sapiens

<400> 19924  
ctttgggtga gtcagtgagt gagtggtacg tggatgtgaa ggactaggac attactgtag 60  
actttataaa cactgtacac ttaggctata ctaattttat ttaaaaatta tcttcagtaa 120  
taaattagct tgctcaactt tattyatwww tttaactttt tgactcttcc ataaaaacac 180  
ttaaatataa acactgtgag actcaaagaa gagccagatg atggaagttt ttaatactgc 240  
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attcctaagc ac 312

<210> 19925  
<211> 151  
<212> DNA  
<213> Homo sapiens

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tagagacagg gtttctccat gttggtcagg c 151

<210> 19926  
<211> 185  
<212> DNA  
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<400> 19926  
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taaggcagga gaattgcttg agcccgggag aaggagggtg cggatgaaccg agattgcgcc 120  
attgcgctcc agcctgggca acaagagtga aactctgtcc caagaacaaa acaaacaac 180  
aaaaa 185

<210> 19927  
<211> 111  
<212> DNA  
<213> Homo sapiens

<400> 19927  
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caggtaatcc tcccacctcg gcctcccaa atgctgggat tactggcgtg a 111

<210> 19928  
<211> 258  
<212> DNA  
<213> Homo sapiens

<400> 19928  
gaagaagact gaaaaaaaaag ttggaaaaat cctctaaaga cacacagtgt tccaagcaca 60  
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tgtgcagcaa ccactcgggt cttttcttga gtccgggcta actcctgaat agcagattkk 180  
tcttttcttc ccctttcaac gtttgcttgc cagtgccttt cttttccttc atcttcatct 240  
tcaccttctc ctttttcc 258

<210> 19929  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 19929  
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gcaggatcca ggaggctgtg cvcactgacc ctaggacagc attaatgcac agccaa 116

<210> 19930  
<211> 222  
<212> DNA  
<213> Homo sapiens

<400> 19930  
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ggctaaatgc cccaattaaa agacacagac tgcaaattgg ataaatagtc aaggcccatc 120  
agtgtgctgt attcaggaga cccatccttt tagtttgagc ctatgagcat ctttgacat 180  
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<212> DNA
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<212> DNA
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<210> 19937  
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<212> DNA  
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taaatacaac 309

<210> 19938  
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<212> DNA  
<213> Homo sapiens

<400> 19938  
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gagaagattg tagaaatgga tgcagtcact gaaggagact gt 102

<210> 19939  
<211> 96  
<212> DNA  
<213> Homo sapiens

<400> 19939  
cagtgtagtt tagtsgcaaa accaagttca actttcagtk tccctactta ckgataackgc 60  
atttggaaca tcttgatckc tcaggacacc aggtgt 96

<210> 19940  
<211> 63  
<212> DNA  
<213> Homo sapiens

<400> 19940  
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agc 63

<210> 19941  
<211> 97  
<212> DNA  
<213> Homo sapiens

<400> 19941  
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ttgagctcag gaggctcgaga ccagtctggg caacaca 97

<210> 19942  
 <211> 91  
 <212> DNA  
 <213> Homo sapiens

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<210> 19943  
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 <212> DNA  
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<400> 19943  
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 atcagggcaa tcattctggt catttattga acacttatta cgtgcttgcc tctgcc 117

<210> 19944  
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 <212> DNA  
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<400> 19944  
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<210> 19945  
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 <212> DNA  
 <213> Homo sapiens

<400> 19945  
 aagctcctgg taagtgccct atataggtat gccatttttt ttaacccttt ataatagtgt 60  
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<210> 19946  
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 <212> DNA  
 <213> Homo sapiens

<400> 19946  
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 atacttta 128

<210> 19947  
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 <212> DNA  
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<210> 19948  
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 <212> DNA  
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 gcamccaact aactcgtcat ctagcattag gtatatctcc caatgckatc cctccccct 180  
 ccac 184

<210> 19949  
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 <212> DNA  
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 ctgggtgaca aagtgagavt c 201

<210> 19950  
 <211> 168  
 <212> DNA  
 <213> Homo sapiens

<400> 19950  
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 gcaggagaat cgcttgaacc cgggaggcgg aggttgcagt gagccgagag tgcgccactg 120  
 camntycggg ccctggrgcg acagagtrag cgagactcca tctgaaaa 168

<210> 19951  
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 <212> DNA  
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<210> 19952  
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 <212> DNA  
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 tccacaattc tatattaaca tttttttatt tttttttgag atggagtctc tctctgtcat 180  
 ccaggctgga gt 192

<210> 19953  
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 <212> DNA  
 <213> Homo sapiens

<400> 19953  
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 aatttttatg aagaatggat attggacttt gtgttttcta tatttggtga tatgcttcca 120  
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<210> 19954  
 <211> 92  
 <212> DNA  
 <213> Homo sapiens

<400> 19954  
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<210> 19955  
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<210> 19956  
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 <212> DNA  
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<400> 19956  
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 gttagagaca tacctattac cagaatgtaa caggtttaat ctttgggtca aaaaaacttc 180  
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 aatgatctcc aggcgtgttc atctcttaaa gatgatcttg tatatatctc tgttttgata 300  
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<210> 19957  
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 <212> DNA  
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<400> 19957  
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 ccccttccc cccac 135

<210> 19958

<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 19958  
gaagtacccg ttctggttct cattaagggg tgcctcggaa tttgtaaata aaggaacgtt 60  
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gctgggcgcs gt 132

<210> 19959  
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<212> DNA  
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<400> 19959  
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<210> 19960  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 19960  
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<210> 19961  
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<212> DNA  
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gctgaataat actggcac 138

<210> 19962  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 19962  
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gacgttgaag ttatttgaag aaaatatgta gatgcyatca gtactaacta atagc 115

<210> 19963  
<211> 241  
<212> DNA  
<213> Homo sapiens

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cctgatccat ctsgtctctg ttctccttcc cttttcsgtk cccgaagccg gaaggagcaa 240  
a 241

<210> 19964  
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<212> DNA  
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<400> 19964  
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<212> DNA  
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<210> 19966  
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<212> DNA  
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ccttccagnt tcaaacgatt cttcagcctc ggcctccaga gtagctggaa atataggtgc 180  
ccaccaccac gccca 195

<210> 19967  
<211> 253  
<212> DNA  
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aatctcatcc ggtcccaaag ccagctgccc tgcgagagag agcctaccga caccgggcac 180  
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ctggagcctg cat 253

<210> 19968  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 19968  
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<210> 19969  
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<212> DNA
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<210> 19973
<211> 151
<212> DNA
<213> Homo sapiens
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<210> 19974
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<212> DNA
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6653

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<211> 91  
<212> DNA  
<213> Homo sapiens

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<210> 19976  
<211> 186  
<212> DNA  
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<400> 19976  
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ggcaaa 186

<210> 19977  
<211> 177  
<212> DNA  
<213> Homo sapiens

<400> 19977  
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<210> 19978  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 19978  
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acatggcctg cbaactaggg cctgcaaattg gagtggsgm gtccctggccc ctgaatcacc 180  
agagccacca a 191

<210> 19979  
<211> 78  
<212> DNA  
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tagagcaccg aaaaccac 78

<210> 19980  
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<212> DNA  
<213> Homo sapiens

<400> 19980  
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ccttgcatth tgagttgact tggctgtttc actgggaaac caacccttgg aggctaagac 120  
ctgggtgact gcattggaag ctgtgcaggg cagaggctgg carggagggg tgggtggtgt 180  
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<210> 19981  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 19981  
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gcagtggcac tatctcggct cactgcaacc tccgc 95

<210> 19982  
<211> 146  
<212> DNA  
<213> Homo sapiens

<400> 19982  
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agcaggaatg caccagccg ggaggccgcc agccctgcca gccgtcagca caciaaggca 120  
ccgctgtmct gctggggagg tcgaat 146

<210> 19983  
<211> 309  
<212> DNA  
<213> Homo sapiens

<400> 19983  
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tgcctcttca tataaacttt agaatcagtt tgtcaatata aaaataactt gctgacattg 180  
attgggattg tgttaaactc acagatcaat ttgggaagaa ctgacatctt gacagtactg 240  
agtctttcta tccatgaaca tggaatatct ctaatgcccc tctttatctc tgataacttc 300  
cctggctca 309

<210> 19984  
<211> 220  
<212> DNA  
<213> Homo sapiens

<400> 19984  
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ccatgtttggk caagckgggc ttgaactcct grcctcgkga tccaccacc ttagcctccc 180  
aaagtgtctg gattacaggc ctgagccact gacccgccc 220

<210> 19985  
<211> 51

09513999.02400

<212> DNA  
<213> Homo sapiens

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<210> 19986  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 19986  
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<210> 19987  
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<212> DNA  
<213> Homo sapiens

<400> 19987  
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ccaatttttt tyatttttag tagaggtggg gtttcacsrt gttagccaag atggtctcga 180  
tctcctgacc tcgtgatccg cccgcctt 208

<210> 19988  
<211> 194  
<212> DNA  
<213> Homo sapiens

<400> 19988  
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caacgtatgt tttctgacca catggaatta aattagcaaa taasmaaaaa aaaagcacgt 120  
ttaaccata ggtggcycat gcttgwaatc tcaacacttt ggaaggctgg gaaaagaagg 180  
actgcttgag ctca 194

<210> 19989  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 19989  
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aaaagytcaa	aaattagctg	ggcatgggtg	tgcattgcctg	ttatcccagc	tactcgggag	180
cctgaggcag	aagaatcact	tgaacctggg	aggcagaggt	tgcggtgagc	caagatcgcg	240
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<210> 19992  
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<400> 19995						
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<210> 19996  
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<210> 19997  
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 ggggtacc 188

<210> 19998  
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 <212> DNA  
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 atcacaagca ttcctaaaca ccaacaacag acaagcagag agrsaaatta ggaatgtact 180  
 cccatgcaat attgccacaa aaagaataaa acacatagga atacagctaa caabnnaggt 240  
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<210> 20000  
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 cctcagcctc ccaagtagct gggaccacag gtgtgtgcct ccatgcttgg ctaactttt 180  
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<210> 20001

**SECRET**

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6659

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<210> 20013  
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 aagatatttc aggcttctta tgaaggaaac agtaaacctt ttacaaacta tattttccaa 240  
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<212> DNA  
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ggctgagcta ccctcatgga agggagagga ccgtaccgga tctacgacct tgggggcagc 180  
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tgtggtccca gctactcaga aagctgagggc aggagaatca cttgaaccca ggagacaggt	180
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<210> 20027  
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<210> 20029  
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<210> 20032  
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taaataagctg catttggtt atggagtctt ttgagcagca tggttttaaa aaggtttttg 180  
ccaagtgggg ttctaattga caccttc 207

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gggg 124

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cagcttgggc aacatataaa gaccagctc acaaaaaaaaa ctatttttaa agacaggcat 180  
ggtggtgtgc acttgtggtt tcggctgctt gggagattga tgggggag 228

<210> 20038  
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<212> DNA  
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 <212> DNA  
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 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 20053  
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 ccagttcta tatttttgct ttggttgccg gtgctttcga agtcgtatac aaaaaaaaaat 180  
 tgccaagacc aatgtccttg agcatttccc caatgttttc ttctagcagt ttcattgatgt 240  
 caggcttag attcaagtct ttaattcatt ttgatctgat ttttttgtgt atgggtgagag 300  
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<210> 20054  
 <211> 137  
 <212> DNA

<213> Homo sapiens

<400> 20054

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<210> 20055

<211> 101

<212> DNA

<213> Homo sapiens

<400> 20055

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<210> 20056

<211> 346

<212> DNA

<213> Homo sapiens

<400> 20056

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ctagaaatta	ctgaagagta	aagggaagtt	gtacatacca	tatttgattt	tcagcacctg	180
aatcagactt	cgaaagagct	gtgcaattac	aaacagaaat	cacatctcat	catttttagta	240
cttcttaaag	ctataacaat	tttaaaaata	gatgatggag	aagaaaaggc	tcctacactc	300
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<210> 20057

<211> 376

<212> DNA

<213> Homo sapiens

<400> 20057

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ctggtgatgg	tggagaggag	taggcagatc	aagagatact	taggaaatgg	agttggcagc	180
ttttggttac	actggtctgg	ggagggggcc	gtgagagatt	agaagtcatg	gatgactccc	240
aggatggttt	ttaaatcaca	gtgggcttag	aggccatagt	gtgatgtcat	ttgctgnrgt	300
aggcaacggt	ggatcaagtt	gagttgtggt	ncttgagtaa	gggaatcgag	atgtcagctc	360
aatagctggg	gtatct					376

<210> 20058

<211> 222

<212> DNA

<213> Homo sapiens

<400> 20058

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tgaagaccg	gcaccagtgt	agttgcaata	cagtgatgga	aggaagcatt	gggttttcat	180
gatacaccat	ggggaactat	ttctctaaat	ctcacaagta	aa		222



<210> 20059  
<211> 209  
<212> DNA  
<213> Homo sapiens

<400> 20059  
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tgtgcttcca ccaactgtgg acaactgtgc tggacggacc gtcacactga tggcagagcc 180  
aaccacgacc atcccagaag caaccccg 209

<210> 20060  
<211> 64  
<212> DNA  
<213> Homo sapiens

<400> 20060  
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ctct 64

<210> 20061  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 20061  
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aggtttgggg ttggcaaaga attgggaaca ttgggtctgg tggggaagaa agtgtcagtg 180  
aaaaccagag gtgggactga tcctccatgg gatactctat gtgaatgcaa tggagagcct 240  
gagtcggggg agagatagc 259

<210> 20062  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 20062  
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aatttataat aaaaataactt tacctaccct gatgc 95

<210> 20063  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 20063  
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taggagacag agcgagactc tgtcttaaaa aaaaaaaa 98

<210> 20064  
<211> 432  
<212> DNA  
<213> Homo sapiens

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<400> 20064  
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taccgggggc catctgcca actgccccag actctggcag tggggcccc gatggcagt 180  
ggcacctccc cgtgaaacct gccaagctgg acgccacagc tctgcacgac gacactttgg 240  
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tccctgagga acactacata agcgaggctg tggaagatgc tcccagctac agaggggtamc 360  
gggatgcctg caccattact gatgtgtgca cagcaccgat cttccggaag tcgagatcat 420  
tagcctgctg ga 432

<210> 20065

<211> 181

<212> DNA

<213> Homo sapiens

<400> 20065  
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actttactac agcctacata attggacttg gtattttaat gtaatatggt atgcctattt 180  
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<210> 20066

<211> 182

<212> DNA

<213> Homo sapiens

<400> 20066  
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ac 182

<210> 20067

<211> 452

<212> DNA

<213> Homo sapiens

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tatgkgdgtt ggtgggsbkq taccatctag gttttgtgta agtacactct accatgttta 180  
cacaacaacg aaattgccta aggactcata tcttagaacg tatcctcatc attaaagccac 240  
acagactgta attgttacta gcataggtaa ctttgtgatg cttactgtat gccatankmc 300  
gtgctaatac ttctgccttc accataatcc ccatttttat aaggaaattg acataaagag 360  
ttgtcccatg gtcandgcac tgctgmcytg accttgggtc catctgctgc cagtgttctt 420  
gcttaaaacta agctgtgctg tgtcggaggc ac 452

<210> 20068

<211> 163

<212> DNA

<213> Homo sapiens

<400> 20068

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 gratgccmac catkgacctg aaagaaggta gggtagcagc aga 163

<210> 20069  
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 <212> DNA  
 <213> Homo sapiens

<400> 20069  
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 gtttttgaga agagtttcat atgctggacc acatttttagc ttttattgtt ttttttttcc 180  
 cattgyccaa aaagttaagc aacaagtttt acgtgactac aacctggagt tctgcaaaga 240  
 aggtaatat tacttggyc tttgactaaag ttatctcccc attcwatggt tamattttat 300  
 tttggrectwv ggggmytcca aaaccgtttk ggtaaagang agagtwtatg raaattcttg 360  
 ycaaatttca ctcaaaagta atttcatgag aaatca 396

<210> 20070  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 20070  
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 gcactgtgaa agcattttaag ttttttcaag atcacaaaat ggctcttctt cagatggcaa 120  
 cagtgaaga agctattcag gcctaa 146

<210> 20071  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens

<400> 20071  
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 cttttggatt agattatata aaatcagaag aggtagaacc aggccccaag cactcctggt 120

<210> 20072  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

<400> 20072  
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 cagggaaagc ttccgacgcc tccat 85

<210> 20073  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 20073  
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140

<210> 20074  
<211> 274  
<212> DNA  
<213> Homo sapiens

<400> 20074  
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ataacacaaa taatttttagg atttactcat aaatagtatt aaatatagca gaacagctct 120  
aacttgctct ctatgaccac tgacagatta ttttaatact ctagttttca tttccttatt 180  
tggaagaaga tagacttgga ctaaatggc tctaaattgt ctttaaattc tgtcagcttg 240  
taagtcttca gtttgttcaa atcagctcta ccac 274

<210> 20075  
<211> 351  
<212> DNA  
<213> Homo sapiens

<400> 20075  
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acagtttggt ataattkctg tkcttttacg tttgctgagg agtgctttac ttccaactat 180  
gtggtcaatt ttggaataat tacagtgtgg tgctgagaag aatgtatatt ctgttgattt 240  
ggggtggaga gttctgtaga tgtctattag gtccacttgg tgcagagctg agttcavtsc 300  
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<210> 20076  
<211> 67  
<212> DNA  
<213> Homo sapiens

<400> 20076  
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ttttttt 67

<210> 20077  
<211> 389  
<212> DNA  
<213> Homo sapiens

<400> 20077  
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gacagacttc atggtacaca acttcaacag attttctgtc atattctcac cagcacatct 180  
gaatgaggct ttgtgttttc cttgctctct tgcatgttcc ttttcaactc atggcccaca 240  
gtgactctca gagatttatg ccaaaattgc atacaattgt tttctgaatc ataaacttgc 300  
tatttttctg cctatgtgtg ctactttcag tttgtttctc atcaacattt tgactctcag 360  
aagagctcca tttgcccttt ctctcttta 389

<210> 20078  
<211> 144  
<212> DNA  
<213> Homo sapiens

<400> 20078  
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cagagagtga aattaacctg accc 144

<210> 20079  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 20079  
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ggttttgatt tgcatttccc taacgggttg tgatactgag catttttgca tacaccgggt 180  
cac 183

<210> 20080  
<211> 89  
<212> DNA  
<213> Homo sapiens

<400> 20080  
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cggctgggct gctggtgcga ggagccgac 89

<210> 20081  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 20081  
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aaattggaat ctaaaggatg gttgctgatg tactgtgtgg tctggtagaa gtggggaaat 120  
atgagagatg gaggaaaaac ttgattatgt cttccatggc atatttactc ttactttact 180  
tcgtgccaaa tcaaatgaaa caagccgcct a 211

<210> 20082  
<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 20082  
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gccgccagag actgggccct tagggakgag gaggcsmasaa gatggcgagc gacccagtg 120  
ctgccygaca ggwacgtgsr satctggrag rtcaagaagc tcattaagag cttggaggcg 180  
gccgcggca atggcaccag catgatatca ttgatcatc ctcccaaaga ccagatttca 240  
cgagtggcaa aaatgt 256

<210> 20083  
<211> 119  
<212> DNA  
<213> Homo sapiens

<400> 20083  
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tttgggccct gtgtcatgtg acttctttct ggggtccatt attcttgggt acccgacct 119

<210> 20084  
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<212> DNA  
<213> Homo sapiens

<400> 20084  
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gcttcccaca cagtacatca ggaaaactta cagggaata tttttaactt ggggcaggaa 120  
agaagggagc agcagagaat tgactagata tagcacctg 160

<210> 20085  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 20085  
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cttagacca aagaaaagaa cgatgtagaa tattatagtg aaaccaaga 110

<210> 20086  
<211> 97  
<212> DNA  
<213> Homo sapiens

<400> 20086  
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aattaggtaa ataatggatt cctataatgg gagcacc 97

<210> 20087  
<211> 150  
<212> DNA  
<213> Homo sapiens

<400> 20087  
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agttctgttg gtggtgagac gtgggcactc 150

<210> 20088  
<211> 55  
<212> DNA  
<213> Homo sapiens

<400> 20088  
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<210> 20089  
<211> 80  
<212> DNA  
<213> Homo sapiens

<400> 20089  
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ctagtccaag gacatagtaa 80

<210> 20090  
<211> 382  
<212> DNA  
<213> Homo sapiens

<400> 20090  
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ctaaaacatt tagagaaaaa aaaaatttta aatacagtat aaccatttac atagggttta 180  
cattgtaggg tattgtaagt aatctagagg tgatttaaag catatgagag gatgtgcata 240  
ggttatatgt aaatactatg ccattttata taaaggmctt gagcatctga gaatttwgnw 300  
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aagaaatgca tggctaagca ac 382

<210> 20091  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 20091  
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<210> 20092  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 20092  
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<210> 20093  
<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 20093  
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ccacc 125

<210> 20094  
<211> 67  
<212> DNA  
<213> Homo sapiens

<400> 20094  
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67

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<400> 20095
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caaacgcagc ccaaactggg ggac                                         84
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tgccatgctt ggatttanng gaatttggaaggagatgtaa accttggcatt gttgaaacaa 180
cagaagctgc cscatg                                     196
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tgccctyccat tgsccttqtg atattctatt accttgtgat gtatgtgata tctgt      175
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<400> 20099
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gcatatatat ttacaatatt atatcctctt gctgaattga cccctattg                    109
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100-443887-100

<213> Homo sapiens

<400> 20100

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caaagaaaat	gtgggggaar	gcmaccgcaa	cccctgtcac	tcctgagatg	cagagagtca	180
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<210> 20101

<211> 449

<212> DNA

<213> Homo sapiens

<400> 20101

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ttcaaatagt	cctccccamc	tcaactgtma	ccactgctaa	gggactctat	ccattgagca	180
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tcccagacct	cactttcccc	atcagcaata	cctgggtgtc	tcncaccttg	aaannnctct	360
tggctcctgc	cggtttcctg	ctcaggctgg	aattgggaaa	atatgcaggt	gacatttgtt	420
cattctctaa	tcccatacctc	tcaccacag				449

<210> 20102

<211> 100

<212> DNA

<213> Homo sapiens

<400> 20102

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<210> 20103

<211> 340

<212> DNA

<213> Homo sapiens

<400> 20103

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cacggtgcag	accaggtgtc	actggacgct	ctggcchag	actgtttgct	caaggggccc	180
aggagtgggg	tgggggggtg	ccaggaggcc	cagggaccag	tcccagctca	gttcctccct	240
gactgtgtga	ctttgggtga	agatttcattg	cctcagtcctc	ctcctcgagg	tagtgggtgc	300
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<210> 20104

<211> 260

<212> DNA

<213> Homo sapiens

<400> 20104

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252

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**SECRET**

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6683

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301

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<212> DNA

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# Don't Be a Dummy

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<212> DNA  
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<210> 20162  
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<210> 20163  
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<212> DNA  
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ccaaggtccg gcagctgagc tctggacact cttgatcttc caagctgcac tccaatctgg 180  
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<210> 20166  
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<212> DNA  
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<210> 20167  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<210> 20172  
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<213> Homo sapiens

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<211> 331  
<212> DNA  
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<212> DNA  
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gttct 245

<210> 20176  
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<212> DNA  
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aaaagagtga aaaatgatta gaggaaaggc atggtagata tatttagaag acacaatctg 180  
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<210> 20177  
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<212> DNA  
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<400> 20177  
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gccactttag acctctacga atttctgcac ctgagttcaa gatcttctcc aatggggcct 180  
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gaccagcc 308

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<400> 20178  
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cagcactttg ggaggctgag gcaggcagat ctcttgaggt caggagttca agactagcct 180  
ggccaatatg gtgaaacccc atctctacta aaaatacaaa aattagctgg gcat 234

<210> 20179  
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<212> DNA  
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<210> 20180  
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<212> DNA  
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<400> 20180  
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tggcagtcca cttaggatgg atcctagggg agtagtttgb bggacaaagg gctgtgagat 240  
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gcagaccagt ttacatgttc tgtgtttcta cttaatatgc tcagtgtttc ttctagctcc 240  
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<210> 20182  
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004230 " 666E450



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<212> DNA  
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<212> DNA  
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<210> 20191  
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<212> DNA  
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<400> 20191



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<210> 20193  
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<400> 20194  
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<210> 20201  
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<210> 20203  
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 <212> DNA  
 <213> Homo sapiens

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	cctaagttct	tcccaatgga	tttgcaataa	ttattgtaaa	aatcttttgt	cccctacagt	180
	tccccacact	gcttaatggc	cacatgccag	taccaatccc	cagtctggac	agagctgctt	240
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<210> 20204  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

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	tgatcgtttg	gccaaaattt	ccatgcaagt	tgataagggt	tttacaataa	tctgaacaaa	360
	taggaaacct	tgaatctcta	tgatgcaca	tgaatacttg	attgtgaata	ataaaaagttg	420
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 <212> DNA  
 <213> Homo sapiens

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<210> 20206

<211> 132  
<212> DNA  
<213> Homo sapiens

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<210> 20207  
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<212> DNA  
<213> Homo sapiens

<400> 20207  
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<212> DNA  
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<210> 20209  
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<212> DNA  
<213> Homo sapiens

<400> 20209  
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# BOOK REVIEW

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ccagcctcac caacatgatg aaaccttgct tctgctaaaa atacaaaaat tagtcaggcg 180  
tagtagcatg cgcctgcaat cccagctact ccagaggctg aggcaggaga attgcttgaa 240  
cccagaggc agatattgca gtgggccgag atcgcaccac tgcactccag cctggtgaga 300  
gcgccagact ccctctcaaa aaaa 324

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<213> Homo sapiens

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ccagcctcac caacatgatg aaaccttgct tctgctaaaa atacaaaaat tagtcaggcg 180  
tagtagcatg cgcctgcaat cccagctact ccagaggctg aggcaggaga attgcttgaa 240  
cccagaggc agatattgca gtgggccgag atcgcaccac tgcactccag cctggtgaga 300  
gcgccagact ccctctcnaa aaaaaaaa 328

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<212> DNA  
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<210> 20271  
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<212> DNA  
<213> Homo sapiens

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tatgtgcttt gcatacacag tcacccgcc 149

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<211> 165  
<212> DNA  
<213> Homo sapiens

<400> 20272  
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actacatcct cattgtcaag tggggtgacg aaagtgtccc tggaagcccc ttcaaagtca 120  
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<211> 96  
<212> DNA  
<213> Homo sapiens

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ggcaacaags ccagstaatt tttttttttt tttttt 96

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<212> DNA  
<213> Homo sapiens

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tatttttagt agagactggt ctctactaaa gaccatgttt gtcaggctgg tcttgaactc 180  
cggacctcag gtgatctgcc cgctccgct tcctt 215

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<212> DNA  
<213> Homo sapiens

<400> 20275  
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attataccaa cagaggcgaa gganaadgta tcadcatcta tgcatacttt tgctgtgaag 120  
tatgagacaa aggttaggga ataavaacag ctcttactac acagcaaaaag tatgcataga 180  
tgttgatact ttttccttcg cctctgttggt tataattgca 220

<210> 20276  
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<212> DNA  
<213> Homo sapiens

<400> 20276  
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actcagaagc aggaggatcg cttgaatcta ggagttcgag gctgcagcgc actatgatca 120  
cacttaagaa cagccactgc acttcagccc aggcaacgta acaagacccc ga 172

<210> 20277  
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<212> DNA  
<213> Homo sapiens

<400> 20277  
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aagagcatta agaagtgtct gtttttggta ttgccatttc ataaatattt tagtaggtgt 120  
tcaatttcat tggatattct tttttttaat tgtctttgta cctatgattg aaaacagtag 180  
ttggtctatg acttttgagg agagggaa 208

<210> 20278  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 20278  
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cccgtccct gccctccg cgccctccag cgagggtggg aaacgaaagg ccgat 115

<210> 20279  
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<212> DNA  
<213> Homo sapiens

<400> 20279  
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agcacgca 128

<210> 20280  
<211> 80  
<212> DNA  
<213> Homo sapiens

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cttttttttt tttttttttt 80

<210> 20281  
<211> 141  
<212> DNA  
<213> Homo sapiens

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gcactttggg atgccagggc gggcggatca cctgagggtca ggagttcaag accagcctgg 120  
ccaacatggg gaaacccac c 141

<210> 20282  
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<212> DNA  
<213> Homo sapiens

<400> 20282  
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ctgagaatga aattgctttg gcaagctaaa atgagctcga ttcaggactg gggatgaagag 120  
gtagaggaag gagctgttta ccatgtcacc ctcaaaagag tccagattca acaggctgcc 180  
aataaaggag caagatggcc agggaac 207

<210> 20283  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 20283  
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gtaattagat cataagtgtt ctgcactcat aaatgaatta atgtcattat catgggattg 180  
ggttgggttat cgttaagtgt ggactcctga caaaaggaca agtttgggct ccatttctct 240  
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ggctcaa 307

<210> 20284  
<211> 193  
<212> DNA  
<213> Homo sapiens

<400> 20284  
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caaagtgtcg ggattacagg catgagccac cgtgcccggc ctctggctaa tttttatatt 120  
tttaatagag accaggtttc accatattgg tcaggctggg ctccaactcc tgaccacacc 180  
agatctaccc acg 193

<210> 20285  
<211> 77  
<212> DNA  
<213> Homo sapiens

<400> 20285  
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aaaaaaaaaa aaaaaaa 77

<210> 20286  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 20286  
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aaagtgtctg gattacaggc atgaaccact gcacctggcc ccg 103

<210> 20287

<211> 156  
<212> DNA  
<213> Homo sapiens

<400> 20287  
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tggcatatag aagtgatgcc ttaataatgt ctttagtgct gtttttctcc atgtgagttc 120  
cttggtggaa ctctttttaca aatctggggg ccacct 156

<210> 20288  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 20288  
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gagaggagtc tctccctttc aatatatttat aatttcaata ggactgggtgc cagttcttct 120  
gtatacatct ggtagaattt ggctgtgaat cgttctgggtc cggggggctg 169

<210> 20289  
<211> 110  
<212> DNA  
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<400> 20289  
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actgtaacct tgacctcctg ggctcaaggg atcctccctc ctgccccca 110

<210> 20290  
<211> 167  
<212> DNA  
<213> Homo sapiens

<400> 20290  
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ggagaaaaga ggtttaattg gctcacagtt ctgcaggctg tccaggaagc atgggtggcat 120  
cagctcctgg ggaggcctca ggaaacttac aattacagcg gaagcgn 167

<210> 20291  
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<212> DNA  
<213> Homo sapiens

<400> 20291  
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ttttcatttt cctgatgctg taatgtttac ttcagcttgt tgacctttct ttgtgttatt 120  
tgcattgtgt aacgtgtgat aagaatgaat gtaaaggctg tggcaactgt aattaatttt 180  
tgtaaagggc ggttc 195

<210> 20292  
<211> 174  
<212> DNA  
<213> Homo sapiens

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 cttgagaggc tgagggtggga ggattgcttg agcctagagt tcaagggttg agtgagctat 120  
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<210> 20293  
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 <212> DNA  
 <213> Homo sapiens

<400> 20293  
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 acggaaaatc agttggagtg gaaatgaaca cccagaatga actgatggag aggattgagg 120  
 aagacaactt aacctaccaa catcttctgc ctgaatctcc tgagccttca gcctctcatg 180  
 cgctctctga ttatgaaaca cct 203

<210> 20294  
 <211> 57  
 <212> DNA  
 <213> Homo sapiens

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<210> 20295  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 20295  
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 ggcagataac ttgagggttg gagttcgaga ccagcctggc caacatggtg aaaacgcc 178

<210> 20296  
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 <212> DNA  
 <213> Homo sapiens

<400> 20296  
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 aaagatgtcc agaatatgct aaactgccat tggatcatgtt ttgttctgtc ttaggaatt 180  
 aagctaatag tcattcatctt caaaacaaat ttctcccatc cacactcaac tttaaaatcc 240  
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<212> DNA  
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tcagtggtag aaggggctgg tctgctgggc agggctcc 158

<210> 20299  
<211> 266  
<212> DNA  
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<400> 20299  
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atgaaagcaa gccctccta ttctttttaa agacataagc actgtttaat agggttttta 180  
attttttaat tacctaagtg atatctgacc acacacctta aaaaaaattc ataaatctaa 240  
ggatcaaatt cttctttacc acattt 266

<210> 20300  
<211> 113  
<212> DNA  
<213> Homo sapiens

<400> 20300  
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<210> 20301  
<211> 188  
<212> DNA  
<213> Homo sapiens

<400> 20301  
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ctaaaaatac raaaaaatta gccgagcgtg ggtggcaggc gcctgtggtc ccagctactc 180  
gggatggc 188

<210> 20302  
<211> 367  
<212> DNA  
<213> Homo sapiens

<400> 20302  
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acttttaaca gagagttagt tgtctcttct gtttccttag ggaagaaaga tgagttcctt 120  
cagttcccaa atgagtcctc aattcaacat gagtgatttc accagaataa ratcttctta 180

cttctgcaaa aagcagctaa tgctttcgga agctaaataa tcccaatgtg tgactcmwgc 240  
cagtktcttt tctttgaaac ctcagcagca gcataactag tgattcaccc ttcttgaaat 300  
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gtctggc 367

<210> 20303  
<211> 188  
<212> DNA  
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ctaaaaatac aaaaaaatta gccgagcgtg ggtggcaggc gcctgtggtc ccagctactc 180  
gggatggc 188

<210> 20304  
<211> 232  
<212> DNA  
<213> Homo sapiens

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agagatgagg ttccaccatg ttgccaggct tgtcttgaat tcctgacgtc gtgatccacg 180  
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<210> 20305  
<211> 279  
<212> DNA  
<213> Homo sapiens

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gagggtggagg ttgcagttag ctgagattgc accactgca 279

<210> 20306  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 20306  
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ttactgttag gctaagcctt ggactattag ctagcttaag gacatacaaa atggactttt 120  
cattgatgcc gttttactat ttctttgctt tcaccatata tagacatcca cacaagcaca 180  
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<212> DNA  
<213> Homo sapiens

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tattttcttt ctttaatcct cacagctgac tttgtgagtt acagctctat cactgattta 240  
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ttgtcatact ggttttctat cagttctgtc aacaggcctt gttgtttctg acttagggcc 360  
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<210> 20308  
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<212> DNA  
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<400> 20308  
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aacgctatcc ctccccagc cctccacccg ctgacaggcc cgggtgtgtg gtgttccccg 180  
cct 183

<210> 20309  
<211> 236  
<212> DNA  
<213> Homo sapiens

<400> 20309  
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ttggaaggaa gagaaagtat aaatggagtt ccaatctctc tcattgctaa agaaagcata 180  
cctttgagga aaattcattg agctctgcag agtaaagctt gavaaacact gatata 236

<210> 20310  
<211> 281  
<212> DNA  
<213> Homo sapiens

<400> 20310  
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caacaggctc ttccagtttg tctggctcgg cacttttgct gaaacctgga ggaattgtta 180  
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aagaaacctg gaaaccttat atgctgacaa aaagggacaa a 281

<210> 20311  
<211> 220  
<212> DNA  
<213> Homo sapiens

<400> 20311  
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caggttaaat atactctttc cctcttcgac ccagatccca aggaacccaa tccaacagca 180  
aaatcctaca gtctccccag gagctccatt cccggcaatc 220



<210> 20312  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 20312  
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<210> 20313  
 <211> 61  
 <212> DNA  
 <213> Homo sapiens

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<210> 20314  
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 <212> DNA  
 <213> Homo sapiens

<400> 20314  
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 gcattccatt gatctttgtg tctatcccat caccaatacc gagagttttt attattgtag 180  
 ctcataagaa gtctcggtat tgggatggag gaagatccac caagcaaattg gaaaacaaaa 240  
 aaaggcaggg gcaga 255

<210> 20315  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 20315  
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 aaagggtgga ttttgccgtg ttgcccaggc tggctctgaa ctctgggct taagtgatcc 300  
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<210> 20317

<211> 94  
 <212> DNA  
 <213> Homo sapiens

<400> 20317  
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<210> 20318  
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 <212> DNA  
 <213> Homo sapiens

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 atttctctca taatctgtcc cttcttttct gctcttacia cttctgtcct aatttagacc 180  
 gcaattttkt tcttgacaa ttacaataac cttctgtgta ccagctttac accagtctct 240  
 ctcaacttta atctctccac accacag 267

<210> 20319  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

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<210> 20320  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

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 aacatttaat aatagacttg ccaaggttct ttgtgtagca tagagatggg tacttgaatg 180  
 ttggccttat tgtgagtaaa acgtcgtccc ccagctttcc ctgccgtaaa tgctgctctc 240  
 ttccctcccg cagargctgc actgtgcgat gggagaataa gaccatgtac tgcacgtca 300  
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<400> 20321  
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 tgagttgatt tttgtataag gttacagacg agggctcagt ttccttctgc tacatgtggc 180  
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<210> 20322

<211> 192  
<212> DNA  
<213> Homo sapiens

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gcccagtgtg ctttgggtgg tcagcatttc actagatgat ttctaagggt ccttcagctc 120  
attctaata gaatttgca tcttgagggt tgagctgggt tgggttttac attgcactgg 180  
aaggagagga aa 192

<210> 20323  
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<212> DNA  
<213> Homo sapiens

<400> 20323  
tatttttgtt tctattttaa aatatattta aactgtattt cagaagtgca tttatgaagt 60  
gcttttctaa aatcaataat gtaattatgg tgattgtact tatcttattc tctgttgaaa 120  
tttatttcaa aggtctaagc tttttttcct ggtattctta taaraaaatt ctgaacattt 180  
atgtcccara tttttgggtt aaagaacaat tgtgtgtgtg tatgtattag catattwgtr 240  
taaacatcct cttcacaatg cacaca 266

<210> 20324  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 20324  
ctgccttcac taaggagggt tgcaaaggga ggagaacatc ttggcctaaa cagccagaca 60  
atgaggatta gttatgggac ctccagctgc cctgactctg aatcatgggt tagacagagc 120  
ttggagattg cctgggtccag ggtttcctaa tgccttaggg tgcctttttt 170

<210> 20325  
<211> 353  
<212> DNA  
<213> Homo sapiens

<400> 20325  
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cttttkaaaa attgagaagg ggtctcactc tgttgcccag gctggaatgt agtggcatga 120  
tcacagtctg ctgcagtctt gacctcccag gctcaagcga ttctcccatc tcggcttcct 180  
gagtaactgg gaccacgggt ggggtccact gtgcccagct aacttttttg tattgtgttt 240  
aaaggtggga ttttgccgtg ttgcccaggt tgggtcttga ctctggtgct taagtgatcc 300  
accttccttg cccacgcaaa gtgttgggat tataggcgtt acagctgcat cca 353

<210> 20326  
<211> 181  
<212> DNA  
<213> Homo sapiens

<400> 20326  
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actaggtcaa agggcttgat aagcgctatg acttagggac tgccaaaattg ctttgcaaac 120  
aggcgggtgct tgtttacagt gaaggctgcc agctgtagat gagtgcacca ttttcaccgc 180

t 181

<210> 20327  
 <211> 165  
 <212> DNA  
 <213> Homo sapiens

<400> 20327  
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 ggtggcacac gcctgtagac ccagctacta ggaaggctga ggtgggagga ttgcttgaac 120  
 ctgggaggtt gaggctgcag tgagctatgc tcacaccact gcact 165

<210> 20328  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<400> 20328  
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 ggtctacact ttgcatccgg ttgataggcc tctttttttt gttttgtttt gttccctttg 120  
 ttaccaggc tgaagtgcag tggagcgatc agagctcacg tgcagccttg acctcccctg 180  
 ctcaagcaat cctcccgcct cagtctcctg aatagctggg accacagggtg tgcgccgtca 240  
 tgctcagata ctggcatcag ctctttggcg tgcattgtgt ggtagttttt ctacaggcga 300  
 cctaggccat ttgtcctgga gttttgcagt ctggggccag ctgatacatc cttgtggtgt 360  
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<210> 20329  
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 <212> DNA  
 <213> Homo sapiens

<400> 20329  
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 gatcaagctc atctagatgc caaatctttg ccagctcctt cctctgcccc atca 114

<210> 20330  
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 <212> DNA  
 <213> Homo sapiens

<400> 20330  
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 tgcagacagt ctgttatgca ctgtggtttc agatgtgcaa taattgtac aatggtttat 120  
 tcccaagtat gccttaagca gaacta 146

<210> 20331  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 20331  
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 ataaatgtcc tttttccccc caaatatggt ctagatgagt tattataaac attgttttta 120  
 tttttttgag acagagtttc gctcttggtg cccaggctgg agtgcagtgg cgccgtctcg 180

gctcaccgca gcctccacct tcctgggttca ggggattctc ctgcctcagc ctcccgggta 240  
gctgggattg cgggcatgca ccacc 265

<210> 20332  
<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 20332  
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caactatttc agctctcaca tataagtgag aacttgcaat attagtctct cwtgtgcttg 180  
cttattttca 189

<210> 20333  
<211> 282  
<212> DNA  
<213> Homo sapiens

<400> 20333  
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tcttttgaaa ttaaaatcca gaacgtttta gtggcaacaa tctatacatt tttgtctttt 120  
taaattcaaa tacctgcaat ttctagtctt tcctgggcta taaaggaacc ggattttatc 180  
tagctgactg atttttggcg gttcaaataa caaaactaca ttttgtgggt agtttagtta 240  
attaatagct gcaaatagct ttttacaagc aaggagggag gc 282

<210> 20334  
<211> 150  
<212> DNA  
<213> Homo sapiens

<400> 20334  
caagctataa ccacaaaaat aatgaattga tgagaaatac aatgaagagg caatgtccat 60  
ctcaaaatac tgcttttaca aaagcagaat aaaagcgaaa agaaatgaaa atgttacact 120  
acattaatcc tggaataaaa gaagccctaa 150

<210> 20335  
<211> 280  
<212> DNA  
<213> Homo sapiens

<400> 20335  
gcaagtgcgc ggaaagtttg gctgcgcggg ttcccccgaa gttcagagtg aagacatttc 60  
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gtgggcagca gggccaggtc ctggtctgtg gaccctcggc agttggcagg ctccctctgc 180  
agtggggtct gggcctcggc cccaccatgt cgagcmtcgg cgggtggctss caggatgccg 240  
gcggagtagc agcagcagca ccaatggmag cgggtggcagt 280

<210> 20336  
<211> 399  
<212> DNA  
<213> Homo sapiens

<400> 20336

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atccagtac	ttaactatgg	atcatccatg	taatctggaa	ccatagttct	agcattctcc	120
agaacccatc	tcttttggtat	agttcccatg	tggtcgccag	gaagccatgt	cccttctctc	180
ttcagtttcc	tcttctatga	ratgtragg	ataccacaga	ttcatacagg	agattcctca	240
gactcatcat	aggaactgct	tggttataaa	tgagattatt	catatgagaa	cctgcagaag	300
tctcaaggaa	atcaattctc	tgcaaatgcc	tgtgattggt	gctatttatt	attctcctgg	360
tgagtcagtc	cttttcatca	cccaggcata	ctaacttta			399

<210> 20337  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<400> 20337						
ctaaataagg	taaaatgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgc	agaggttgtg	60
taattgtatt	catcactggt	gwatgtatta	ttggttttag	ttggtytcac	tgctcctaag	120
ttccttttgt	cttatcttgc	aagcatatca	ctgtgagcta	cttaaatacat	taacaactca	180
ttaaaactct	tgaccattyt	cattytctac	caagctgaag	cctgggtg		228

<210> 20338  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 20338						
cagtaaggct	ccacccattt	cacaggaggc	ctagagaccg	gcgctsscct	ttcccctccc	60
gccggacctg	ccaggagggtg	ggctggcgcg	gagggagggc	cctgtcccct	gtccctttaa	120
ggaggagggc	caaacgcg	cctagagtgc	ggcgtasccc	acccgccg	at	172

<210> 20339  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 20339						
acattttaa	ggctagatgt	tggataatag	gcagaatttg	aaattaaata	cagcttggca	60
tagttatttg	cattcttgg	cattgtattt	tctagggctg	cggtaacaaa	atacgacaaa	120
ctgggtgatt	taaaacaaca	gatttattgt	ctcagttctg	gaggcaagat	gtctgaratc	180
aagatgtagg	tatggccatg	ctctctcaag	gttcgagggg	agaatctgtt	ccatgcctct	240
tagcttggtg	tgttactgcc	aatccttagc	atTTTTTggc	ttgcagctat	gtsrctccag	300
tctgtgactc	tgttatcaca	acataatccc	tgtgtggctc	tgtcttca		348

<210> 20340  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

<400> 20340						
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tcagatctca	gcacaccctt	tgaacagaaa	ggctaaagt	aacaactcca	gcctgatagg	120
tttaggatac	actcagg					137

<210> 20341  
 <211> 112

<212> DNA

<213> Homo sapiens

<400> 20341

ttttacgtat	ctcttggtgc	ttatatcttt	ttcagttaaa	gacagaataa	cttaattctt	60
agaaattctt	cctatatgga	gaccctaacc	tcagcttttt	attgctggct	ca	112

<210> 20342

<211> 324

<212> DNA

<213> Homo sapiens

<400> 20342

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tgtccctcgc	ccactttttg	atgggggttg	ttgttttttt	cttgtaaatt	tgtttgagtt	120
cattgtagat	tctggatatt	agccctttgt	cagatgagta	ggttgcgaaa	atcttctccc	180
atgtttagag	ttgcctgttc	actctgatgg	tagtttcttt	tgctgtgcag	aagctcttta	240
gtttaattag	atcccatttg	tcaatttttg	cttttggtgc	cattgctttt	ggtgttttgg	300
acatgaagtc	cttgcccacg	ccag				324

<210> 20343

<211> 355

<212> DNA

<213> Homo sapiens

<400> 20343

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gtgactaaag	atgcaaataa	aaatatatca	tattggccgg	gcgcggtggc	tcatgcctgt	120
aatctcagca	ctttgggagg	ccaagagggt	ggcagattac	gaggtcagga	tatcaagacc	180
atcctgggta	acacagtga	accccgcttc	tactaaaata	caaaaaatta	gccgggcttg	240
gtggcatgca	cctgtaatcc	cagctactcg	gaaggctgag	gcaggagaat	cgcttgaacc	300
ctggaggcgg	atgttgagtc	gagccgagat	tgtgccacct	cactccagcc	tgggc	355

<210> 20344

<211> 309

<212> DNA

<213> Homo sapiens

<400> 20344

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cgggctgaaa	cagcagccca	cagtcctggg	acatgttgga	cacctccctc	aacctatgaa	120
gccagagggt	tacgcttgag	attgctgaga	aggcggggaa	cccaggcagt	ccctgggcct	180
ccaaggaggg	aggaggarga	ggaggaggag	gaggaggagg	aggaggcctc	ccccaggatc	240
gctgggccag	ctctgctccc	tgcagtctgc	cctccggctg	cgtgtkgatg	ctgctcgtcc	300
tcgycctgt						309

<210> 20345

<211> 149

<212> DNA

<213> Homo sapiens

<400> 20345

ttatggcagt	cattcaaagt	ttgaaggagg	agacactact	tttgtgctgc	ttcctgcctt	60
caggccagac	ctgcaaataa	ggccttttga	taaggaatga	gtcaggtatc	ctggggacaa	120

agtgcacatt tcataagaaa tccgagaat 149

<210> 20346  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 20346  
aaactccatc tcaaaaaaaaa acaaagctgt cagtaactca aaagtttcag ccaatcagtg 60  
ttgcagtcta tttccttttg gttgtgggtc tcctaagtat catcccttcg tgatcgccag 120  
aaagaa 126

<210> 20347  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 20347  
catagaatgg tcaggagtgg gtaactttac ttatgctggt tggcataggt aacattttta 60  
taggcaaaca ttgcttgctc aaagtgttcc agtctgagaa aatgtgcagg aggaacagcg 120  
tggaatcagc 130

<210> 20348  
<211> 348  
<212> DNA  
<213> Homo sapiens

<400> 20348  
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tttwaatttt tgagatggag tctcgctctg tcgcccaggc tggagtgcag tggtgccatc 120  
ttggctcact gcaagctctg cctcctgggt tcacgccatt ctccctgtctc agcctcccga 180  
gtagctggga ctacaggcgc ccgcmacmas gcccaactaa ttttttttwa tttttagtag 240  
agacgggggt tcaccatgta tccaggatgg tctcgatctc ctaacctcgt gatccacctg 300  
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<210> 20349  
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<212> DNA  
<213> Homo sapiens

<400> 20349  
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tggtaacaga agtccaggct gaggtgatt ctggacgctg tcctttcagc acacgcagag 120  
ccaa 124

<210> 20350  
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<212> DNA  
<213> Homo sapiens

<400> 20350  
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tctcgaaact cctaacctca ggtgatccac ctgcctcagc ctcccaaagt gctgggatta 120  
caggcaggag ccaccaccac acctggccca gatggctgct ttcaaattctt gacctctgtg 180



caatgttagg gagctgtggt aggcacatga attaaccttc tgaacctgt 229

<210> 20351  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 20351  
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ccgccatgag tgtaagtttc ctgaggtctc ccagtcatac tgctgggttaa gcctgcagaa 120  
cgggtgtactt gtttgaaatg tatctggccc a 151

<210> 20352  
<211> 184  
<212> DNA  
<213> Homo sapiens

<400> 20352  
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ttctcaacta agcaattaga aattaaaata ctttttagct ctccgggagc ttgggaaatc 120  
ctgataaaaa gatgcaaaga atcatactcc ttgcttatca aaacctatct atgctagctg 180  
ccct 184

<210> 20353  
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<212> DNA  
<213> Homo sapiens

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caggacc 127

<210> 20354  
<211> 217  
<212> DNA  
<213> Homo sapiens

<400> 20354  
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gccactgcag ttgagcatgt ctagcctgga gtcttctgaa gaacatgatt actgacttta 120  
tgtataggaa tggctgcaa tgaagaagag aatattgaaa gtcagaagca tgctatcaca 180  
taactctgca tttcatmrgg ccgagaaagc accgcgn 217

<210> 20355  
<211> 149  
<212> DNA  
<213> Homo sapiens

<400> 20355  
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gcgagattt aggggtggag tgacccgatt ttccagggtgc catctgtcac ccctttcttt 120  
gactaggaaa gggaactccc cgaccccca 149

<210> 20356  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<400> 20356  
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 tgcatacagca cagaagaatc tcagcaac 88

<210> 20357  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<400> 20357  
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 aaggggatrc cactacagac tccacaaa 88

<210> 20358  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 20358  
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 tcttcatttt accagttt 138

<210> 20359  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<400> 20359  
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 ccgctgtgac tgggcccagc ggtccagggt ggctgtgggt ggagtgcagc ggggtggaga 180  
 aagagagagg aaactcactt ttgaatcctc agttgctttc cctaggctgg gctgcccagg 240  
 aacaacttca atgggcaaag gagtatgtga tcgatgggac caaggtgctg ggaaacgggg 300  
 tcgc 304

<210> 20360  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 20360  
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 cagatagttt gtagatatgc ggcgttatht ctgagggact cg 102

<210> 20361  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<400> 20361  
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 aactgaccaa gcattgaaaa gaacacagtt tcagaaaaca gtttccagtg cctctggcct 180  
 tcctactgaa agcagacaca gagtgcattga agaccgttca rrtatgtcag ggrmtcctc 240  
 ccatgagtc tttctatgavt ccctctcaga catgcaggar rgaaagcaag aatactgact 300  
 tcttcccggtg cctttctgct ttcctca 327

<210> 20362  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<400> 20362  
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 tggtttaaca acctaccatt tgaagaatcg cagagatgaa ttaaaaagag ccccgagag 120  
 gctccccgat ccagttgcac ttcttgctta agcaaagtaa agaaaaacag gaatg 175

<210> 20363  
 <211> 283  
 <212> DNA  
 <213> Homo sapiens

<400> 20363  
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 ttgtwttgag gcaagatttk actgtcacct cgtgtgaagt gcagtggcat aattttggct 120  
 ctctgtagcc tcagcctcct gggctcaagt gatcctttta cctcagtttk ctgagtagct 180  
 aggactacag atacgcacta gatgtctgtt taatggttgg ttgwttgta gtgttcggat 240  
 ctgactacgt tgcccakgt ggtcttaaac ttttggcacc tcg 283

<210> 20364  
 <211> 59  
 <212> DNA  
 <213> Homo sapiens

<400> 20364  
 gattaataat atattactat aaatattttt taacaagtgc ttatctgcta actagagtt 59

<210> 20365  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 20365  
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 tgtgtctagt gatgagagct cttcgggaga gaacaagagc aaaaagaaga gggaagg 177

<210> 20366  
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 <212> DNA  
 <213> Homo sapiens

<400> 20366  
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actgactggg gattctggac ttccatcccc atcctccac tcagcagtgg taggcagctc 180  
cccctcccca ctagagaatg gggaatgt 208

<210> 20367  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 20367  
agagtggaat ttggccttag aacatttcct aagtgcgagt ttgggcacag ccagccaaag 60  
aggctcggtg acttgtcact ccagagaatg cctgcagtgt cctcaccctg tcacagcctc 120  
agacacattt tgaatctgca ggaactagtt caaccagga agtcga 166

<210> 20368  
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<212> DNA  
<213> Homo sapiens

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atgccagct aatctttgta ttt 83

<210> 20369  
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<212> DNA  
<213> Homo sapiens

<400> 20369  
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aggcactggc agagtttgaa tgaactccag ccagggcaac aggaaggcct tgaaggtcga 180  
gaaacaggac tcattctccc gcctgaagtg agatggaaca ggattcaatc ccatttgcca 240  
cacctccgtg aaggagtta 259

<210> 20370  
<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 20370  
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gcttgtkktt ttaccttcag ctcttttccc ttagttcaac cttagtagac tcaactgtca 120  
ctctcattc ccctatgctg tctttgtgcc actgccgccg gtcgcatagt tgagaacaga 180  
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gttgagagat tatgctcctt tt 262

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<212> DNA  
<213> Homo sapiens

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ccacca 127

<210> 20372  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 20372  
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gtagagcacc gaaaaccacg aggaagagag gtac 94

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<212> DNA  
<213> Homo sapiens

<400> 20373  
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cgccaccgc ccagctaatt tttgggtttt tagtagagac ggagtttcac catgttggcc 120  
aggatggtct caatttcctg acctcgtgat tctccactt cggcctctca aagtgctcag 180  
attacaggcg tgagccaccg tgcccggcca c 211

<210> 20374  
<211> 177  
<212> DNA  
<213> Homo sapiens

<400> 20374  
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<210> 20375  
<211> 322  
<212> DNA  
<213> Homo sapiens

<400> 20375  
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ttgtagagac aaagtcaccc tatgttgctc aggctggctt tgaactcctg gcctcaagtg 180  
atccccctat cttggcctcc cacagtgttg ggattatagg tgtgagccga tgtgcctggg 240  
catatatgtt tattgtgcac ctagcgtaca cacacatgca cgtggcatta gtctttgttc 300  
cagtcatttt ctgagaagga gt 322

<210> 20376  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 20376

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aaagcaagag aaggagttga gcccgggaat ctaaggctat agtgtatctt gtctgtgaat 120  
ggtcactgca ctccagcctg gccaacatag cttgactcca tctctaaata cacacacaca 180  
catcca 186

<210> 20377  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 20377  
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ctgggcatgg tggctcacac ctgtaatccc agcacttttg gaggctc 107

<210> 20378  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 20378  
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agagtgccaa agttgtattg tgtgcgggtc ccacttaatg tgtcatc 107

<210> 20379  
<211> 227  
<212> DNA  
<213> Homo sapiens

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ccascctgtc tggstartct ttttgtatct ttagtagaga cggggtttca ccatgttggc 120  
caggatgggtc ttgatacagg artactgaat agtgaattgg tgaacatgga catgaatttc 180  
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<210> 20380  
<211> 294  
<212> DNA  
<213> Homo sapiens

<400> 20380  
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aataaaatat ggtcaagaga tttagagaaa tatcaaaaag atgaaaacag ttaaagggtga 120  
tagtaatgaa gacaaggaaa aaatctaata gagttatggt gggttttttg tttgtttgtt 180  
ttgttttgtt tgagacggag ycycactctg ttgccagggc tggagtgcag taggcgcgat 240  
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<210> 20381  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 20381  
gtgctaggat tagagggtgtg agccaccgca cccggcccag actttttaaac aaccagatct 60  
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142

<211> 260

<212> DNA

<213> Homo sapiens

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cgctcactct	tctttgtctc	agcctttcca	tctttttcgc	caggactctg	ctggggccgct	120
cagccatgcc	tgagggagcc	caaggactga	gcctctccaa	acctagcca	agcctcgggt	180
gtggccgaag	aggtgaagtg	tgtgactgtg	gcacctgtgtg	tgagactcgg	acagcagctc	240
ctcagccccc	caccatgacc					260

<211> 271

<212> DNA

<213> Homo sapiens

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tgtatatatta	atctaagaaa	ctgccatggc	tgggcacagt	ggctgacgcc	tgtaatccca	120
gcactttggg	aggccgagga	gggcagatca	gttgaggcca	ggagtttgag	accagcctgg	180
ccaacatggc	gaaacaccgt	ctccactgaa	aatacaaaaa	ttagccaggt	tgggtagcac	240
atgctttatga	cccagctatc	tatgggaagct	t			271

<211> 403

<212> DNA

<213> Homo sapiens

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gcagtagctg	ccaagtgcc	tgatggcctg	gagtcagatg	gctacattgc	actcagttct	120
cccatcttcc	atagatactg	gatgttatcc	ttcaatgttt	gccttgagcc	agatggagag	180
gaaagaggca	gagttaactt	gtctttctat	tttcattctc	ccaaatacaa	ctgatttttt	240
actctactcc	tggatacctt	tcttatatca	caactctgat	gatgtaactt	ttctcaacca	300
aactttcag	ggacctcta	tgatctcaga	atgaaacccc	aactgtgttg	tatacattta	360
acatgcattc	tactttcctt	ccttccttac	attttagctg	cgt		403

<211> 275

<212> DNA

<213> Homo sapiens

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tatttttagt	tgagatggga	tttcaccatg	ttgtccaggc	tgggtctcaa	ctcccgacct	120
cgtgatcgcc	tgcctcggcc	tcccaaagtg	ctgggattac	aggtgtgagc	caccgtgcct	180
ggctaatttt	ttttgttttt	tagcagagat	ggggttttct	tatgttggcc	aggctggtct	240
ccaaccctga	cctcaagttg	tccaccacc	tcgag			275

<211> 174

<212> DNA  
<213> Homo sapiens

<400> 20386  
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ctgccattat gaagaaatac agctgggttc tgatattaac ttttacccta tgac 174

<210> 20387  
<211> 181  
<212> DNA  
<213> Homo sapiens

<400> 20387  
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gtttttacaac agctcttcag ggtagtggtt tctcaaattt tacatctgtg gaaccagggg 120  
cttagagaag ctataataac atcttgtcta tgatccccc gatctctgac ccagagcctg 180  
t 181

<210> 20388  
<211> 353  
<212> DNA  
<213> Homo sapiens

<400> 20388  
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gttaaagaag gggacagacc agctaaaaat ggttgtagca ctactgtac aacctcatgg 120  
aaattctcac tataagattt agaggcaatg ttccctagct ataagcbagg gcaagaaatg 180  
ggcctctctg agttggggaa cattagggga acattacaac cgggtagatg ctggttccct 240  
gaagtgtggg gccatgaaca tgcagggacc cacggtttga atgaaacagc tactgaaagc 300  
taagttcaaa ccacccttgc gtaacaaagg agtacagggt acacatcaac acc 353

<210> 20389  
<211> 134  
<212> DNA  
<213> Homo sapiens

<400> 20389  
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actcactcaa tagttccagg agcttttttg tgggtatgga ttcttttggt tttttgtctt 120  
ttcttttttt tttt 134

<210> 20390  
<211> 222  
<212> DNA  
<213> Homo sapiens

<400> 20390  
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cctgtaatcc cagcactttg ggaggccgag gcaggctgat cacttgaggt caggagtctg 120  
agaccagcct ggccaacatg gtgaaaccct gtctccatta araatacaaa aattagctgg 180  
gtgtggtggt gggcacctgt aatcccagct actggggagg ag 222

<210> 20391



<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 20391  
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aaaaatagar agggagagaa aatagtcgga gagacaaaaa ccaggagacc catgcgtgga 120  
cagaaagact aacggagacg aaaagaaaga ggcagatggg gagacacgtg cgagacgaga 180  
cacatgtgca tttgttaggg agaa 204

<210> 20392  
<211> 148  
<212> DNA  
<213> Homo sapiens

<400> 20392  
gatcaagtta tttataatag cagacctggg attcaaaacc agatatgctt gtttccaaag 60  
cttttccttt ctttacactt ctaccctttc caccactatg caatatgtga tatctaagaa 120  
gtattactaa ttttattttg gaggcaat 148

<210> 20393  
<211> 268  
<212> DNA  
<213> Homo sapiens

<400> 20393  
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cagacaagat ttcttcttca tcctaaagcc accacatcta tacgattggt agcaacatct 180  
tgccactaat agtaaacaac tgttggtttc gtctctgcag aatctgtgat ccctcctcta 240  
atthatactt agagtcctcc cctctcct 268

<210> 20394  
<211> 57  
<212> DNA  
<213> Homo sapiens

<400> 20394  
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<210> 20395  
<211> 173  
<212> DNA  
<213> Homo sapiens

<400> 20395  
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tgcggtttca ccatgttggc caggctggc tcgaagtcct gacctcaggat gatctgcccg 120  
cctggcctcc caaagtactg gaattacagg tgtgagtcac catgcccggc caa 173

<210> 20396  
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<212> DNA  
<213> Homo sapiens

<400> 20396  
 gaatgtggtc tgagtgcctt tacaaggcca tagtgccctca cgacccgact gcaaagagct 60  
 ccatgggtgta tgtttttttg tttgtctgaa gtgtagttta aacaagccct tttttttttt 120  
 tttttttttt 129

<210> 20397  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

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 actttttkkt ccatcagtgat katatgtgag agaacacaca gatgccaggg ggtgagttaa 120  
 raccttcgcc attcattggt gtccatctac aagttgtagc aaatattggc rtgtagtctt 180  
 taattgtgta acattagagt tgggtattgc aggagttact tgcagaacag ggaagcattc 240  
 atttwtgtst tctgtsstct tgcagtgcact ccattct 277

<210> 20398  
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 <212> DNA  
 <213> Homo sapiens

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 caaggagatg gcagaagcct agggaggaga gggtttcagg cagagggagt ggccaattgc 120  
 caagcactgt tgagacagag ggaaggtaag ggtctagggt catctgtgga gtttgtgaca 180  
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 caagtcgagg ggtgacgtct ggtgagggcc ttcttgctgg tggggatctc tgcagt 356

<210> 20399  
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 <212> DNA  
 <213> Homo sapiens

<400> 20399  
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 aacacttaga tttgatgaac acaaggcttg acatatttgt caatagtacc aggaatagtt 120  
 ttgcatacta taatatttaa cagccacagg agaaaggcaa accaatataa ttaagggttaa 180  
 atatatgtgg agtaattgaa taagagaggc ttaatgtgtc cctattttcta ttttaatttg 240  
 ttcagtcgca tgaatcaatg agctaaagcr wagatatgta dhaagagtna atatctvaac 300  
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<210> 20400  
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 cctccctccc cacc 135

<210> 20401  
<211> 194  
<212> DNA  
<213> Homo sapiens

<400> 20401  
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ataggatttc actctgtggc tcaggctgga gtaattgcag cctcaacctc ctgctcaatc 180  
aaacccccac ctgc 194

<210> 20402  
<211> 52  
<212> DNA  
<213> Homo sapiens

<400> 20402  
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<210> 20403  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 20403  
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ttttcttctg tgtcctgttc ctccaaaata gattttttca tgggtcgttt ccatgctaca 180  
tttttctgtc gtccctccacc caat 204

<210> 20404  
<211> 69  
<212> DNA  
<213> Homo sapiens

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aaaaaaaaa 69

<210> 20405  
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<212> DNA  
<213> Homo sapiens

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ctttgtagag atggcgtttc accatgttgc caaggctggt ctcaaactcc tgagctcaag 180  
caatccaccc gccac 195

<210> 20406  
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<212> DNA

<213> Homo sapiens

<400> 20406

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gagggaagga gactctttaa agaataacat cttattgtgg ccatgccagg gac 113

<210> 20407

<211> 76

<212> DNA

<213> Homo sapiens

<400> 20407

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<210> 20408

<211> 279

<212> DNA

<213> Homo sapiens

<400> 20408

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ccttttatkt cttttccttg cttactatt ctgacaagga cttcatrctt acaataactga 180  
ttagaagtgg tgagaraagc acatttttct ttwtcctaata cttaggagga aagcrttttag 240  
tgtttcatgt ragtataaaa ttagctataa attttgggt 279

<210> 20409

<211> 114

<212> DNA

<213> Homo sapiens

<400> 20409

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<210> 20410

<211> 191

<212> DNA

<213> Homo sapiens

<400> 20410

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tggtgtgctg caccatttaa ctcattcatt acattaggta tatcccctaa tgctatccct 180  
ccccctccc c 191

<210> 20411

<211> 133

<212> DNA

<213> Homo sapiens

<400> 20411

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agcagaccta atagacatct acagaactct ccaccccaaa tcaacagaat atacattttt 120  
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<210> 20412  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 20412  
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 aggctgaggt gggaggatca cttgaccctg ggaggcagag gtagcagtga gccaaagattg 120  
 catcactgta ctccagcctg ggtgacagag tgagaccttg tcccaaaaaca aaaaaaaaaa 179

<210> 20413  
 <211> 283  
 <212> DNA  
 <213> Homo sapiens

<400> 20413  
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 cagtggctga tgctactggt ggaggaacca caccttgaga agcactgatc taggcacctt 180  
 csactcctct cagtctatag atgggaaaat ggaaactcgg agaggtgagg ggctggctca 240  
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<210> 20414  
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 <212> DNA  
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<400> 20414  
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 ttttt 65

<210> 20415  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

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 tccttctgcc tcttcctatt tccatagaag aagagaccat agtgcccaaa tg 112

<210> 20416  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<400> 20416  
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 tcctgaagaa gagagaaaac taaaagttcg gaaaacatat ttgggggagt aattgaggaa 180  
 aacttccttg gccttgctag agaccagac atccaaatac aagaagcaca aagaacaccc 240  
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aagatgaagg aaagaatcctt aggagctgtg agacagatgc a

341

<210> 20417

<211> 278

<212> DNA

<213> Homo sapiens

<400> 20417

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cattcatcca	tttgtcccat	tagttgctgc	ggattatcaa	gttttgaagg	aactgtacat	180
cccaacagac	tgaaacattc	taagtgaaat	gagtataatc	caagtaactg	gtgaactttg	240
gagggtttgga	gcttgaagag	aatggctaag	aagatttg			278

<210> 20418

<211> 305

<212> DNA

<213> Homo sapiens

<400> 20418

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aattaatatg	gtccaaagga	aaaaaagggt	tttttgagat	ggagttttgc	tcttatttcc	180
caggctggag	tgcaatggca	tgaccttggc	tactgcaac	ctctgcctct	caggttcaag	240
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gcaga						305

<210> 20419

<211> 69

<212> DNA

<213> Homo sapiens

<400> 20419

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<210> 20420

<211> 200

<212> DNA

<213> Homo sapiens

<400> 20420

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gcattccctg	ccctgtagga	gtgatagttg	aatagaaaga	aaaacaaaga	agtggtaata	180
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tgaccttcaa attaacttcc ttgaagacaa cc 152

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<210> 20427  
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<212> DNA

<213> Homo sapiens

<400> 20427

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<210> 20428

<211> 108

<212> DNA

<213> Homo sapiens

<400> 20428

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<210> 20429

<211> 140

<212> DNA

<213> Homo sapiens

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<210> 20430

<211> 148

<212> DNA

<213> Homo sapiens

<400> 20430

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<210> 20431

<211> 249

<212> DNA

<213> Homo sapiens

<400> 20431

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attctttctag ttttgttctt tttgcttagg atgactttgg ctattctgag tctttttgtg	180
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<210> 20432

<211> 448

<212> DNA

<213> Homo sapiens



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gtttgagcct gtatgtaaag gctaattgtt tcagagtaag tgactgatta tagtgggatg 180  
aagttagtca ggaaaggatc tctgaagata aatgagtgcc tttgcctaata cccaaggtaa 240  
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aaaagcacag aggagcaagt tagagacata tattatgact cctttcagtt gcaagtgaat 360  
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<210> 20434  
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taagctttta atcaaacatg tggtcagtc acatttgaaa tgtagttca aaatattaac 180  
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attaggttaa ctatgtatat taaagtagaa tagaggtaaa ttacagatga aagactcttg 180  
aaggagcatg gtagaacttg tgggtaataa tgacaaatgg gagctcaaat gattattccc 240  
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<210> 20436  
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<212> DNA  
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tcctgaagca gaacctacct gggacatgta cgaatatcta ttcattgtcaa attaaatgat 180  
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acacacacac acacacacac acacacacac acacacacac acacacacac acac 294

<210> 20437  
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ggttcagtat tgaaatagag tagaattttg aaagawaaaa ctagaaagat gaggctgtaa 180  
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<210> 20438  
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<210> 20439  
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<210> 20440  
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accatttctt ctttccttac ctccccctc aag 153

<210> 20441  
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<212> DNA  
<213> Homo sapiens

<400> 20441  
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<210> 20442  
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<212> DNA  
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<400> 20442  
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<210> 20443  
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<400> 20443  
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gagttagacc ctgtttcaaa aaaacaaagc agggccgggg c 161

<210> 20445  
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<210> 20446  
<211> 143  
<212> DNA  
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<400> 20446  
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<210> 20447  
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<210> 20448  
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<212> DNA  
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<400> 20448  
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<210> 20449  
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<212> DNA  
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aaaacaccca a 251

<210> 20450  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 20450  
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<212> DNA  
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<400> 20451  
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ccaactactg gtctcaagca attttcttcc taggcctcta aaagcactgg gattatgagt 120  
gtgacccatt gcacctggcc cta 143

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<211> 224  
<212> DNA  
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<400> 20452

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tggtaggggg	tttctgcgcr	stcccgggga	accacggctg	gatgggggtg	gcggggagac	180
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ttgaacataa	gttagcatcc ttgcccctctc ccaaatttta tccttgccctt gtgctatctt 180
aaccccsdat	cttccaggta aatattatctt ttttttgtat attttacgtt acttacatctt 240
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taacacttgc	tttgtctgtt atatgtatta taactgtatt cttacaataa ggtaagctaa 180
agaaaggaaa	atgtcattaa gaaaatcata aggaagagaa aatatattta ctatytatta 240
agtagaagtg	aatcatcata aggagaggca ggagaggca 279

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 <212> DNA  
 <213> Homo sapiens

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<210> 20456  
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 <212> DNA  
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agagcggggg	gtgggagaga gacttccaga gagccaga 158

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 agggagtccc aggcggc 137

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 <212> DNA  
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<210> 20460  
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 <212> DNA  
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 <212> DNA  
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 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 20462  
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tccgtctctc ctgccaacca tggagacata tttagacagg accaggtggg gactgagggg 240  
tgccaatttc aggggggcagc tcc 263

<210> 20463  
<211> 71  
<212> DNA  
<213> Homo sapiens

<400> 20463  
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<210> 20464  
<211> 281  
<212> DNA  
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agtagggatg aggggtgagaa gtcaggatga ttaacaaaat tgctaggggtg gggattagga 180  
tggaggggtga aggtggaagt gagggtaggg taaactttga agggggcctg gggctaattt 240  
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<212> DNA  
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ttacctgatg ctttttcttc acatctctta agattctttc cttcatcttg acttgagata 180  
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ag 242

<210> 20466  
<211> 258  
<212> DNA  
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gaccaaccgt ggccaggaca tcagctgctg gaagccgaga gagttcatct gagtggcgat 180  
tttatgatct gcagagtgga aagtaatcat aatcccttga gaagtttgca gaatcgaacc 240  
gaatgttgaa tgccaaag 258

<210> 20467  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 20467

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aggatgtata atgggcaaac tcatagaagc aggccaaagcc tg 162

<210> 20468  
<211> 168  
<212> DNA  
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<400> 20468  
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aagaaagtag tattgatctg ttacaataa tcttatgaga aactttacac cacagatcaa 120  
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<210> 20469  
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<212> DNA  
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<400> 20469  
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<210> 20470  
<211> 365  
<212> DNA  
<213> Homo sapiens

<400> 20470  
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gcgagttaag tactgcttcc attcattgtt tacgctggaa tttttctccc cattcctgag 180  
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acagggtttc tccatgttgg ccaggctggg tctcgaactc ctgacctcca gtgatctgcc 300  
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atagt 365

<210> 20471  
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<212> DNA  
<213> Homo sapiens

<400> 20471  
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gacccacac agggagctag ggtgccccct ctccag 156

<210> 20472  
<211> 172  
<212> DNA  
<213> Homo sapiens



<400> 20472  
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<210> 20473  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 20473  
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<212> DNA  
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<400> 20475  
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gagcccgcca ccacgcccgg ctaatttttt gtatttttag tagagatggg ttttcaccgt 180  
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<212> DNA  
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<400> 20476  
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<212> DNA  
<213> Homo sapiens

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caggccagct ttgcatttag agttcatgct gctagctgtg tggctatgaa gacagtagac 180  
tggaaggaa taaaatgctt cccctatgt gtgcacacat gagtagaaac atggcatgca 240  
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<210> 20478  
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<212> DNA  
<213> Homo sapiens

<400> 20478  
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cttttttttt ttt 73

<210> 20479  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

<400> 20480  
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tactcaagac caagactgag gcacctactc c 151

<210> 20481  
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<212> DNA  
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<400> 20481  
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cattagcagt gcactcccc atctg 85

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<212> DNA  
<213> Homo sapiens

<400> 20482  
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agaggtccag cctctgtggc tctgtg 86

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<212> DNA  
<213> Homo sapiens

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ccagcgcgga catcccctgc tggccggaca cccgactcca gtmc 224

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tcgatctcct gacctcgtga tccgcccc 148

<210> 20485  
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<212> DNA  
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agggaaatta gtggtkatgg tgagtgaagt atcccttagg ataatgatgt ttaaaactgaa 120  
atcttaaaaa tagagtcatt aaccagatgg gtgagataga aaaagggaga aaatatttaa 180  
gacagagaga tcggtgtgta ttttaatttct gaatttaaatt gttcattatt aatattaaag 240  
ccactataca gtagtcccct cgt 263

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<212> DNA  
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gct 123

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<212> DNA  
<213> Homo sapiens

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atacctgac 249

<210> 20488  
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<212> DNA  
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<400> 20488  
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aaggggatca 190

<210> 20489  
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<212> DNA  
<213> Homo sapiens

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taaattcctag ctaatgttga gacttctaag ctaatttt 158

<210> 20490  
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<212> DNA  
<213> Homo sapiens

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acatacatta atgtctccat cacgttagga accaaatcat taccttttga gtcattgtct 240  
tagtatctgc tggtgaaaat gtcactacca tgagcattat actttttgcat aagaagtcac 300  
atztatggcc ggacgcgg 318

<210> 20491  
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<212> DNA  
<213> Homo sapiens

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ccatattgga aaccagccaa tccaagggtc acacccccac ctgtctctat gacagaggat 120  
gaaactccgg gcctctgccc taactacccc ct 152

<210> 20492  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 20492  
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tcattttcat ctgaggggtc tggctacctt ctttattttg cttaggatgc tcttcctaga 120

cctttgcaca	tctgtctctt	ctcattattc	agatgtctgm	ttgaatgtca	cctgcttato	180
aaggacttcc	ttgctastct	gtctacagta	caagtacatc	tccmccactc	aaatcacttt	240
gwtctwtkct	tagcacttat	cattgtaagt	atccccct			278

<210> 20493  
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 <212> DNA  
 <213> Homo sapiens

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aagggttttac	ccttccagta	cctcctgcta	ttccccgacc	caggccagtt	ctgtcctgta	180
ctgtggaaga	gaccagcaag	tttattcttt	ttttctcaac	catctctctc	ttacaaacta	240
gctgctactt	ctggatcttc	cagattcaga	cccaatgggtg	agggaggaaa	cargaaataa	300
tatagataga	aaccg					315

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 <212> DNA  
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cagctaatat	tttttgtatt	ttttagtaga	gatggagtct	caccatgttg	gctaggatgg	120
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<210> 20495  
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 <212> DNA  
 <213> Homo sapiens

<400> 20495						
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tggtgtggaa	agatcacttg	caagtatata	agactgtata	aagaagagga	ctgtgtgcaa	180
gtgggg						186

<210> 20496  
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 <212> DNA  
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<400> 20496						
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gctgtacaag	cgtcttgaat	tactctggta	gcttttccag	aaagacccat	gacttcacca	120
catttctcga	gttacgatga	aggctctctg	gatgtcagca	tggcagccac	aaacctggag	180
aaccagctgc	acagcgcaca	gaagaacctc	ctgttctctc	agcgggasaa	tgccagcacg	240
ctcaaggggc	tgca					254

<210> 20497  
 <211> 87  
 <212> DNA  
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<400> 20497  
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gagctctttt tttttttttt ttttttt 87

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<212> DNA  
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<400> 20498  
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gagggccatt cgggtgcctg cccacagaga gagaaacagt gagagaccaa gagagcaaac 120  
cagagagata gggaggggaa 140

<210> 20499  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 20499  
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cacttatgaa gcttagtttg gctggatatg aaattctggg ttgaaaattc ttttctttaa 180  
gaatgttgaa tattggcccc cac 203

<210> 20500  
<211> 271  
<212> DNA  
<213> Homo sapiens

<400> 20500  
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tcactgtgtt agccagaatg gtctccatct cctgacctcg tgatccaccc gcatcagcct 240  
cccaaagtac tgggattata agcgtgaggc c 271

<210> 20501  
<211> 326  
<212> DNA  
<213> Homo sapiens

<400> 20501  
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caaattacaa aacacaaaac aaaataaaat caaaccatac tctagttgat tttcatttaa 120  
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cagtgaagta atgagctagt aagattctga tatacaactg actccttaaa aaacttagaa 240  
gttcagagct acatgaagta acttattgga aatgaacaat ttcatagctt ggctttatga 300  
tgcaaggaat cagcattagg ctgcca 326

<210> 20502  
<211> 114  
<212> DNA

<213> Homo sapiens

<400> 20502

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<210> 20503

<211> 141

<212> DNA

<213> Homo sapiens

<400> 20503

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atggccagaa aaagagattg ggtggagttt agaattgggg cagaatggga ctgagatctt	120
gctgagaagg tatccaggaa g	141

<210> 20504

<211> 372

<212> DNA

<213> Homo sapiens

<400> 20504

tgacagtact gactagattg agatgatgac taattttgta gagttccact ataattaatg	60
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ctatttcctc aggcagaatg taggtctgtg tgtgtatcct gagagctggg ctgtttacag	180
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ggattaagct ctatttagtc agctgctcgt gccataatgg caataggatt atcagctaag	300
tgagggaaag gctcatgggc tgggatatgg ccatccaggg ggagcctgaa taacagtcta	360
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<210> 20505

<211> 357

<212> DNA

<213> Homo sapiens

<400> 20505

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tgcctcagcc tcccaaagtg ccaggattac aggtgtgggc catcgagcct ggcctccacc	180
aatgcatttc tgccacatag tcattttcat tagttgagtg ggcaattttc ttaagccact	240
ttaccttctg tattagtttt ctagggtgc cataaagtac caciaactgg gtggcttata	300
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<210> 20506

<211> 184

<212> DNA

<213> Homo sapiens

<400> 20506

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ttacacattc taagtgtatg gtttgatgag ttctaacatg tcttcacttg tgtgaccacc	120
aatacgatcg agatagagaa cagcgtctta cccagaagg ttcccttggg atcatctcct	180
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<210> 20507

<211> 130

<212> DNA

<213> Homo sapiens

<400> 20507

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tttagtagag acaggggttc accatgtag ccaggatggt tttgatctga cctcgtgatc	120
cacccgccca	130

<210> 20508

<211> 199

<212> DNA

<213> Homo sapiens

<400> 20508

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catcaccatg cctggctaata ttttgtat	120
caggctgggc ttgaactcct gacttcgggt gatctacctg ccttgacctc ccaaagtgc	180
gggagccatc acaccccg	199

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<211> 343

<212> DNA

<213> Homo sapiens

<400> 20509

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atagatttga tcttgagggc atgttttagaa aatagttccc agcgctagga agatttaaaa	120
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ctgtacttct tcaaatgata aaaagcttca tcaactacct agttgaccaa aatgtttcag	240
cacaagtgtg ctgtatgart cactattgat ctgtcttgca agaagmcatg ggtagtgaaa	300
atgaaagtga ractcccact attgngtgaa tgtctcaaag gga	343

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<211> 207

<212> DNA

<213> Homo sapiens

<400> 20510

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caggccatgg aaaggactct aggttttacg ctaggtaaaa tgaggaggca ctgcagggct	180
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<210> 20511

<211> 138

<212> DNA

<213> Homo sapiens

<400> 20511

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<211> 202

<212> DNA

<213> Homo sapiens

<400> 20512

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acttatgaag	cttagtttgg	ctggatatga	aattctgggt	tgaaaattct	tttctttaag	180
aatgttgaat	attggcccc	ac				202

<210> 20513

<211> 270

<212> DNA

<213> Homo sapiens

<400> 20513

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catggcgaca	gaaaatggag	cagttgagct	gggaattcag	aacccatcaa	cagacaaggc	180
acctaaaggt	cccacaggtg	aaagaccctt	ggctgcaggg	aaagaccctg	gccccccaga	240
cccaaagaaa	gctccggatc	cgccccacca				270

<210> 20514

<211> 234

<212> DNA

<213> Homo sapiens

<400> 20514

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ggtgaaaata	atatgttttg	attcaaacct	aaagacataa	aaacataaag	acattttaac	120
tttgggttct	cttttagctg	gatctggcca	gaaggaggct	taaagttaga	aattgctatt	180
attttagaat	aggttgggtg	ggttgggggg	caagggtgtc	tatttgcagc	agat	234

<210> 20515

<211> 138

<212> DNA

<213> Homo sapiens

<400> 20515

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aggattccaa	ssccccca					138

<210> 20516

<211> 88

<212> DNA

<213> Homo sapiens

<400> 20516

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<210> 20517  
<211> 163  
<212> DNA  
<213> Homo sapiens

<400> 20517  
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<210> 20518  
<211> 144  
<212> DNA  
<213> Homo sapiens

<400> 20518  
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caccatcatt cttcacagaa ctagagaaaa acagtcctaa aattcatatg gaatgaaaaa 120  
agagcctgca tagccaaagc gcct 144

<210> 20519  
<211> 343  
<212> DNA  
<213> Homo sapiens

<400> 20519  
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ctaggaagtt ccaaaactacc atgtcatttt ttttctataa aac 343

<210> 20520  
<211> 338  
<212> DNA  
<213> Homo sapiens

<400> 20520  
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tgatagctca tgtttgtaac cccggcactt tgggaggccg aggcgggagg atcacttggg 180  
ctcagcagtt tgagaccagc atgagcaaca tatgaaacct tgtgtttaca aaaaatacaa 240  
gaattagctg ggtgtggtgg tgtgcacctg tagtcccagc tactcgggag gatcgtttga 300  
acctgggagg ttgagggtac agtgagcctg ggcaacga 338

<210> 20521  
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<212> DNA  
<213> Homo sapiens

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<210> 20522  
<211> 274  
<212> DNA  
<213> Homo sapiens

<400> 20522  
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aaatgtcttg gagcccgccg gcggagggca tagcgccgac cctcgctccc cgcccaggac 180  
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ccagacctct caagatcagc cttccccgcc acca 274

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cccatTTTTT tttattttct ttattatact taaagttctg ggatacatgt gcagaacatg 180  
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<212> DNA  
<213> Homo sapiens

<400> 20526  
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aat 123

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<212> DNA  
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<212> DNA  
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<400> 20535  
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ttttatgaag ataactaata tttttacata gatgaagggt tatccacttt acatgagtat 180  
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<212> DNA  
<213> Homo sapiens

<400> 20536  
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 cgctacttag cagaccggaa aaggaggtct ccctttcccc aggggagttt agagaagact 180  
 gtactcctcc acctcttggt gaggacctga catcagtcag gctcgcccgc agttatccgg 240  
 aggctaacc gtctcctgt gatgctgtgc ttcagtggtc acgctcctac tccgccttca 300  
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<210> 20539  
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 ggaaaagtct gatcagtgag aaatgatttt ttttgtttac tgcctttctca gattgggctc 180  
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<210> 20541  
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 <212> DNA  
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<400> 20541  
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<210> 20542  
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 <212> DNA  
 <213> Homo sapiens

<400> 20542  
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 ggcaattttct ttctctttct tcccaacaaa gttttgtagt ttcttctggt cctaatttgc 120  
 cacttgcaac tcccctggcg 140

<210> 20543  
 <211> 83  
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 <213> Homo sapiens

<400> 20543  
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<210> 20544  
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 <212> DNA  
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<400> 20544  
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<210> 20545  
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 <212> DNA  
 <213> Homo sapiens

<400> 20545  
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 aggaaaattt cctgatcccc ctccgc 86

<210> 20546  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<400> 20546  
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ttgaagagtc	cttcttgatt	gcagtgcagt	actggcattt	ctgaatggat	gtaagtggag	180
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<210> 20547  
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 <212> DNA  
 <213> Homo sapiens

<400> 20547	
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gtccaatata	tctatttttt
attgacaaat	ccaatgatat
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 <211> 329  
 <212> DNA  
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<400> 20548	
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catttatatta	gctgcatctc
ttctaatttc	tcttttgatt
atttctaaat	gtatgctaca
atgggggttc	tggaatcatt
aagactctct	tctactaagg
agcagtgat	catataaagt
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	300
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<210> 20549  
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 <212> DNA  
 <213> Homo sapiens

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gacagagtta	gactctgttc
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agtcccagct	acttgggagg
aagattgcac	caactgcactc
ccccacat	
cctttgtaca	tcactctttaa
ctgaggtagg	agaatcactt
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<210> 20550  
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 <212> DNA  
 <213> Homo sapiens

<400> 20550	
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agaaatcgcc	aacagataac
ttcaacaaaa	ggaaaggaaa
ctgtcttgaa	aagaccaata
ttacctctca	taccaaagaa
tagaaaagtg	atagcttgac
tatcttatac	actgagcagg
accctattgg	tagtttcccc
aatggttcaa	tatgatgtag
tatagaa	
acgctttatg	tagcacatac
acaacaacaa	caaaatcttc
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<210> 20551  
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 <212> DNA



<213> Homo sapiens

<400> 20551

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aggttgccca	atggaggacc	aaatacgaga	cggacgccat	ccagcgacac	gaggagctgg	120
aggaggccaa	gaagaagctg	gccagcgggc	tgcaggcagc	tgaggaacat	gtagaagctg	180
tgaacgccaa	atgtgcttcc	ctcgaaaaga	cgaagcagcg	gctgcagaat	gaggtcgagg	240
acctcatgct	tgatgtggag	aggacaaatg	ccgcctgtgc	cgcccttgac	aaaaagcaaa	300
ggaacttcga	taagatcctg	gcagatggaa	acagaaatgt	gaggaaacgc	atgctgagct	360
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<210> 20552

<211> 135

<212> DNA

<213> Homo sapiens

<400> 20552

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<210> 20553

<211> 184

<212> DNA

<213> Homo sapiens

<400> 20553

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ttttccataa	caagactatg	agaacttctt	tagcccttgg	aaatgtggct	tatataattt	180
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<210> 20554

<211> 130

<212> DNA

<213> Homo sapiens

<400> 20554

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<210> 20555

<211> 95

<212> DNA

<213> Homo sapiens

<400> 20555

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<210> 20556

<211> 259

<212> DNA

<213> Homo sapiens

<400> 20556

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gttactcttg	cagatagcat	cactattgta	gaacttaaga	ttggctttt	ggatgtcctt	120
ccagacgttt	gcatttctga	tgaccaatag	ctccactcag	actcttaaca	ggtcctgtgg	180
ccccaccca	gaagcagagt	cagggtaaaa	ggaccgattt	ccatgcccct	atgactgcat	240
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<210> 20557

<211> 84

<212> DNA

<213> Homo sapiens

<400> 20557

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<210> 20558

<211> 306

<212> DNA

<213> Homo sapiens

<400> 20558

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aagtgatcat	ctaaatctac	agtttagaat	ctgaaaccta	ttcctatggt	gacatcttcc	180
atggccctac	tccttaattr	ataaattctg	acttacagaa	ggctattttc	tgartccttt	240
catagctgac	attgtggtgg	gtgctgttag	ccatcccttg	atactgacag	cacaatggcc	300
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<210> 20559

<211> 246

<212> DNA

<213> Homo sapiens

<400> 20559

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tagttctgta	ctgatatttg	taattttttt	tttcttctgc	tacctttggg	tttggtttct	180
tcttgctttt	ctggttcctt	aaggtacaat	gttaagttgt	taatttgagt	tttttttttt	240
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<210> 20560

<211> 318

<212> DNA

<213> Homo sapiens

<400> 20560

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ctgatttggg	gaaaggaaaa	cctgaatgaa	taggggtcca	actggtcctt	tcagcacaag	180
cacagaaaca	aaaattatat	ggcaggctgg	gcacagtggc	tcacacctgt	aatcccagca	240
ctttgaaagg	ctgaggtggg	cgggatcacc	tgaggtcacg	agttcgagac	cagcctggcc	300

318

<213> Homo sapiens

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atcacctttt	ctttattgat	tttgaaaatc	aaattatgat	ggcctgtggg	gtcctttgtg	120
tgtgtgtgtt	tcttacttag	agttttattaa	actttctcagt	tctatgtgtt	tatatattttc	180
ctttactgtg	aacaattttc	agccattttc	ttttcaaata	tgtctagctt	tccccctctc	240
a						241

<213> Homo sapiens

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agtcccagct	acttaggagg	ctgaggcaca	agaattttgc	ttgaacctgg	gaggtgaagg	180
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<213> Homo sapiens

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gtgaccttgg	gatacgccca	ccttggcctc	ccaaagtgtc	gggtttacag	gcgtgagcca	180
ccgcgtctgt	cccttggtca	gtctcaaat	cctgagctca	agtaattctg	ctgctttggc	240
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<213> Homo sapiens

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<213> Homo sapiens

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<210> 20566  
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<212> DNA  
<213> Homo sapiens

<400> 20566  
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tgcagggagg gcgcagagcc caccgaaggg hbgaatcaag gaggagaaga aaccccagaa 180  
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gtactttgct tctttcaata aacctttgcc tctgctc 277

<210> 20567  
<211> 60  
<212> DNA  
<213> Homo sapiens

<400> 20567  
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<210> 20568  
<211> 305  
<212> DNA  
<213> Homo sapiens

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ctggt 305

<210> 20569  
<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 20569  
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tcacaggagc aggaaggaac tggcaggtgt ctgtcacctt atcatcccg acaccatgtt 180  
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<210> 20570

<211> 128  
<212> DNA  
<213> Homo sapiens

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ctccgacc 128

<210> 20571  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 20571  
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ttagactcct ttttttttt 79

<210> 20572  
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<212> DNA  
<213> Homo sapiens

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gtgacttaac ctctctgggc ttcactttcs tgatctgcaa aatgaacctg ataataacac 240  
ctacctttta aagttattgt aaagtgttag gcacagagca ggtgctacat atgctagcca 300  
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<210> 20573  
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<212> DNA  
<213> Homo sapiens

<400> 20573  
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ccaccgtgcc cggcctggca ccattcttta agaaagaagt acaagggaat attagatttt 180  
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<210> 20574  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 20574  
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<212> DNA

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tgccttt 187

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<211> 185  
<212> DNA  
<213> Homo sapiens

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tccaa 185

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<400> 20631  
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<212> DNA  
<213> Homo sapiens

<400> 20632  
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<210> 20633  
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<212> DNA  
<213> Homo sapiens

<400> 20633  
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asctctgcca tccgccccag c 141

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<400> 20634



<213> Homo sapiens

<400> 20639

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<210> 20640

<211> 393

<212> DNA

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gcacacggag gattttttcca gcagggaaac tcttctgtac gacactgcaa agatggatca	180
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<210> 20641

<211> 61

<212> DNA

<213> Homo sapiens

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<211> 260

<212> DNA

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aacattgtca gtggagtgtt gatatacccc actcttattc tgtagccaac tctttttgta	180
ggtctagaag tagttgtttt atgaatccag gttcttcagt gctgggtgtg catatrktta	240
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<210> 20643

<211> 140

<212> DNA

<213> Homo sapiens

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caacatggca aaaccccgat	140

<210> 20644

<211> 110  
<212> DNA  
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<212> DNA  
<213> Homo sapiens

<400> 20645  
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<210> 20646  
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<212> DNA  
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<400> 20646  
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ccctggagag ttgtacacat gttgaaatgt aatctgggct tacctgatcc atttggagtg 180  
gatgtcactg ccgagtctgt tctcacatgg aaccatgtgt gtgggggttg cagcctcaca 240  
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<210> 20647  
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<212> DNA  
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<400> 20648  
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<210> 20649  
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<212> DNA

<213> Homo sapiens

<400> 20649

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<210> 20650

<211> 109

<212> DNA

<213> Homo sapiens

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<210> 20651

<211> 162

<212> DNA

<213> Homo sapiens

<400> 20651

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<210> 20652

<211> 160

<212> DNA

<213> Homo sapiens

<400> 20652

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<210> 20653

<211> 295

<212> DNA

<213> Homo sapiens

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atattaaata gctggggcac gcgtgggtggc tgacgcctgt aatcccagca ttttgcgagg	180
ccaaagtggg aggattgagt gaggccaaga gatggaggct gcagtgagag cctaggtgac	240
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<210> 20654

<211> 130

<212> DNA

<213> Homo sapiens

<400> 20654

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<210> 20655  
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<212> DNA  
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<400> 20655  
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<210> 20656  
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<212> DNA  
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<400> 20656  
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ttccagcact cagcatcccc accctga 147

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<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 20657  
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gcagatcacc tgaggtcagg agttcgagac catcctggcc aacatggtga aaccccgctct 180  
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<400> 20658  
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gccagggggc aagtgcaccc tgctgagaga ggcccaggat ggtggaggct gaggaactgg 180  
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<210> 20659  
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<213> Homo sapiens

<400> 20659

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cttaatgtga	aatgatgaga	agcacaactc	cagtgtgtct	ctttgtgtag	aatgtsagca	180
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tca						243

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tagctgtgca	agaactgctt	gacagagagg	ccttggaata	ggtaaatatt	ttactcttcc	180
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<210> 20662  
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cacacacaca	cgcacgcaca	cactcastgt	tccccagctt	gtsaatttgc	catttgactt	180
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<210> 20663  
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<210> 20665  
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<210> 20666  
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<400> 20666  
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<210> 20667  
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<400> 20667  
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<210> 20668  
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 <212> DNA  
 <213> Homo sapiens

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<212> DNA  
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<212> DNA  
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<400> 20673  
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<210> 20675  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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99

<210> 20680

<211> 275

<212> DNA

<213> Homo sapiens

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ggaggagaaa	ggctgaagag	gaggagaaa	gctaagatct	tttccaatgc	aaaattagga	180
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<210> 20681

<211> 142

<212> DNA

<213> Homo sapiens

<400> 20681

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<211> 329

<212> DNA

<213> Homo sapiens

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<210> 20683

<211> 153

<212> DNA

<213> Homo sapiens

<400> 20683

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caaggcgcca	ccttgacac	tycctgctca	tct			153

<210> 20684

<211> 185

<212> DNA

<213> Homo sapiens

<400> 20684

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tgccaatgat acgtactcca gaccagatgc aaatgggaga magcatgtgt attatgtgcg 120  
agttacttact ggaatctata cacatggaaa tcattcatta attgtgcctc cttcaaagaa 180  
ccctc 185

<210> 20685  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 20685  
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ctgccttacc agtgattatg ttcctctgtg tactttggag taatctacca ccaat 115

<210> 20686  
<211> 118  
<212> DNA  
<213> Homo sapiens

<400> 20686  
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gtgagcatat tttgtttctt tttgttgttg catagtattc catagtattg tcttacca 118

<210> 20687  
<211> 338  
<212> DNA  
<213> Homo sapiens

<400> 20687  
actattcttg atatttccta taagttgaat catataatat gtgacctttt atgactggct 60  
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ttacagacag ggtctcactc tctcaccag acttcagtg catgggtgcca tcatagctca 180  
ctgcagcctc aaactcgcag agtcaagtga tctcctgtc tcagcctccc aagcagctag 240  
gactgtaggc acatgtaacc atgcctgggt aatttkttat ttcctttttt ttttagagat 300  
gggttctcac tatgttgccc aggctgggtc tgaactcc 338

<210> 20688  
<211> 190  
<212> DNA  
<213> Homo sapiens

<400> 20688  
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agttaaagtg cccgttgctt cagcccctga ctctgtggtc ctaaatacgc ggctcctcag 120  
tggggcccac agcttaagac caacgcttca caggctcaca gcccctgtca gaacccatct 180  
cctgccctta 190

<210> 20689  
<211> 312  
<212> DNA  
<213> Homo sapiens

<400> 20689  
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actccagcgt gggtgacaga gcgagactcc gctcaaaaa aaaaaacamc aaaaaaaayt 180  
 gaaaaagawt ggaaatcagt ttctctccag ttctatctcc ctctttctct cctaamaaag 240  
 gmytgggact ccctaacagc acctgtggag sgtgacatcc tgatagccca crgggtctac 300  
 ttgggatcc ta 312

<210> 20690  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<400> 20690  
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 acctacctcg gcctcccacg 200

<210> 20691  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 20691  
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 catataaaaa tacgatgaat tgagctgagc accagtagca gttttattta gtctttatac 120  
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<210> 20692  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 20692  
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 agccctgcag gaacgctatg ggaaagaagc cgga 154

<210> 20693  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

<400> 20693  
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 ccccgcccaa ccacgttttt attttaaaaa gtgtctaggg acagtgccag agtgattcctt 120  
 tcagcacatt tctgattagc caggtagtga aggtattttt gtgtttctta aaaaaacctt 180  
 aacttcttgt aggaccgct 199

<210> 20694  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 20694  
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ggctgcagtg gccagcgga satgcccctg cagacaggaa cagcccagat ttgtgcccg 120  
cctgaccctg tccagcaagc tctcatcgtg tgtccccgc 160

<210> 20695  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 20695  
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tttttttttt 130

<210> 20696  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 20696  
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gcgacagagc aagacttcgt ctcaaaaaaa aaaaaaaaaa aaa 103

<210> 20697  
<211> 360  
<212> DNA  
<213> Homo sapiens

<400> 20697  
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cttccgtgct gggaatataa aaagtgaagg acaaaaatcc ctgttctagg ccgggggcga 180  
tggtgagac ttgtgatccc aagcactttg ggaggccaag gaggggtgat tgcttgagtg 240  
caggagtcca agaccagcct gggcaacatg gcgaaactct gcttctacca aaaaatgatt 300  
tcaaataaat aaatcactgt cctcgtggaa cttataaata tgtagtgtgt gatgatgata 360

<210> 20698  
<211> 181  
<212> DNA  
<213> Homo sapiens

<400> 20698  
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tgcaatcaca ccatcacggg aaactccaag gttgggaata tacctgaaaa gtggaaagaa 180  
t 181

<210> 20699  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 20699  
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gacctaggat gcgtgcttct tatgagaatc caactaatac ctgatgattt gagatggaac 120

agtgtcatcc caaaaccatc ctccacaccc c

151

<210> 20700

<211> 362

<212> DNA

<213> Homo sapiens

<400> 20700

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cttgaactcc	gagcctcaag	tgatccacca	catcagcctc	ccaagtactg	cgattacagg	120
catgagccac	cgttcccagc	ctcaattttt	atttttagatt	caggggtgtac	atgtgcaggt	180
ttgttacctg	ggtacattgt	gtgatgccga	ggttcagggc	acgattgarc	ccatctcca	240
ggtagtgaac	atagtacctg	gtaggtagtt	tttccgtccg	tgctctcctc	cctctckact	300
ctctctagca	gcccagtggt	cctatgcagc	aacatggatg	actggaggcc	attatcctaa	360
gc						362

<210> 20701

<211> 88

<212> DNA

<213> Homo sapiens

<400> 20701

agtctggtaa	gtggcagggtg	cccagtgag	aggggctgag	gcaggaaaga	gtcactgctc	60
tgggttcagg	ccattccatt	gctttttt				88

<210> 20702

<211> 232

<212> DNA

<213> Homo sapiens

<400> 20702

cttgtaagg	tccatctctt	tgatgacagt	ctctcctggg	tgtgaagtgg	cctcttgtgc	60
tttggtacac	ttgcctggct	cttggctccc	gccacatgc	gaasgccctg	tctcccctgg	120
gcagggactg	ggcctgtgt	ttcctggccc	tggttctctc	atttccttcc	tcttttaata	180
gaggaccttt	tgagagtgtt	ctctttccct	gaaatataaa	tgaagtgcag	at	232

<210> 20703

<211> 375

<212> DNA

<213> Homo sapiens

<400> 20703

aattggacca	aatgatata	atagacctgt	acagaactct	ccaccccaaa	acaagagaat	60
atacattctt	ctcatagcca	cgtggcacat	actctaaaat	taaccacaca	atcagacata	120
cgacaatcct	tagcaaatgc	aarttaatgg	aactcrtacc	aaacacactc	ttggaccatc	180
acacagtaaa	aatagacatc	aagactttta	aaaattgctg	aaaaccatgc	aattacatgt	240
arrttaacct	gctcctgark	gacttttggg	ttaaataata	gttaaagcar	taragtarag	300
aagttctttg	aractaatga	gaacaracrc	acadcatacc	agwrtccctg	ggacacagct	360
aaggcagtgt	taaga					375

<210> 20704

<211> 253

<212> DNA

<213> Homo sapiens

<400> 20704  
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atattgacca ttgggttttac gaacaagggg tcattggtca cctcagtgag agaagtttcc 120  
atagagtgtt gggagaaaaa ggctgaggat agtaagttta agagagaata aaaggagagg 180  
aattgcaggc agagaataga agcgtttttc atggagtctg ttgcaaata ggaccaaaga 240  
aatgaggagg ccg 253

<210> 20705  
<211> 249  
<212> DNA  
<213> Homo sapiens

<400> 20705  
agttaaagag atcaggaagt tagatggact actccaatta ccgtatttta tagatcagga 60  
aattaagaca cccaaagtta ttaagtgacc tattcaagaa catccttttg gatagtagca 120  
caatcaggac cagtcagaac ttgaagcttt gtcccagctt agtttttaggc aacagaagat 180  
ttgtcataaa caatctggag ggcagtctat gtgaataaca ggaatgcaac agataactgt 240  
agaaccatc 249

<210> 20706  
<211> 216  
<212> DNA  
<213> Homo sapiens

<400> 20706  
caaatectaa ttctgtttcc tgccaacatg tggccttgga tatatcactt gccctttctg 60  
agcttctgga gaacatcttg ccttcatgat agtggttgta tgaggactaa atttaaggac 120  
taggattctt gagtgtctgcc ctgtggttca gaatgtacct agaactctct catttaatcc 180  
ttaaaccaac actgagagag gttctattgt tacctt 216

<210> 20707  
<211> 172  
<212> DNA  
<213> Homo sapiens

<400> 20707  
ctagtaagtg tgtgtgtgtg tgtgtgtgtc tgtgtgtctt tctatgtgta aatgtccatc 60  
cccagggatt aagaagtctg gatttggtt aaacttaatc atttctaaga atctgagggt 120  
ttcagtgcgc gcacacacac acacacacac acacacacac acacacacac ac 172

<210> 20708  
<211> 395  
<212> DNA  
<213> Homo sapiens

<400> 20708  
tttttaacca gctttatcaa gatataatcc acatactgta trrttcaccc aaagtgtaca 60  
actcaacggt atttaatat ttcacagata tgcgctacct cacagtitta gaatattttc 120  
atcatctcaa aatgaaatcc tattagctat caccctttc aatccctct cccctcaacc 180  
ctaagcaaca gctaactctg tttctgtatc tatagatttt cctgtctgga ttctcatgtg 240  
gatgaaatga tatgatattg ggacttctgt gcctggcttc cttcacttag tgtaatat 300  
tcaaagttta tccaagttgt atacatactg gtacctcatt ccaacagatt tagcattgaa 360  
tcaragatca ctttcaccta tgcaagtggc ctttt 395



<210> 20709  
<211> 229  
<212> DNA  
<213> Homo sapiens

<400> 20709  
taagttagtt tttgagcctc tttaggatgc ttaattttca agctcaaaat gtgtaaaggt 60  
caatttttaa tgattgtcat cttttgaaga aggacattgg caactgagta aataatccac 120  
aatcactga ttagtaatgt gttgtaggat gactcctata gcagatttta tttcctaact 180  
atattaccag ttaacagaaa ttagtttgca aaacttgaat gcaccagaa 229

<210> 20710  
<211> 205  
<212> DNA  
<213> Homo sapiens

<400> 20710  
tgcaatgtca tgtgtgttgt gtgcagtgtg catgggtgtg gttgtgtata tgtgggtgtgc 60  
ctggtgtcgt gtgttttgtg tgtcgtgtgt cctgtgtgtt gggttatgtg ttgtgtgtgg 120  
tgcatctgtg tgtgtgtgtg gtgtgtctgt tgtatgtgtt gtgtgttgtc atgtgttgtg 180  
tcacatgggt tgtgtggtgt gtcac 205

<210> 20711  
<211> 114  
<212> DNA  
<213> Homo sapiens

<400> 20711  
atgttactct ttgaggagag actgaaactc tgcaagtctg tkcactgaga tttcctgggc 60  
acactcaagg cngsagagat gaccaagagt caccctgcc acagaagctc acgt 114

<210> 20712  
<211> 310  
<212> DNA  
<213> Homo sapiens

<400> 20712  
gcccagctaa tttttgcatt tttagtagag atggggtttt actgtgttgg ccaggctggt 60  
cttgaactcc gaggctcaag tgatccacca catcagcctc ccaagtactg cgattacagg 120  
catgagccac cgttcccagc ctcaattttt atttttagatt cagggtgtac atgtgcagg 180  
ttgttacctg ggtacattgt gtgatgccga gggtcagggc acgattgaac ccatctccca 240  
ggtagtgaac atagtacctg gtaggtagtt tttccgtccg tgctctcctc cctctctact 300  
ctctctagca 310

<210> 20713  
<211> 273  
<212> DNA  
<213> Homo sapiens

<400> 20713  
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tcaagagtgt aattttacag taagttagta ggagagtgtt aatattaaag tgggtgatta 120  
agtatcagct ttattgagct gatatttgag caaagtttta agggagttag aagttaacca 180

tgtagttatc tgggggaaga acattccagg cagaggaaac aactagtaca aagaccttat 240  
ggctgaagtg tctttcatat ttgaggaata gaa 273

<210> 20714  
<211> 236  
<212> DNA  
<213> Homo sapiens

<400> 20714  
ttagagaca gagtattgct gtgttggtca ggctgaagtg taggggcctt atgatagctc 60  
actgcagcct tgaacttctg ggctcaagag atccttctgc tttatcctcc agagtggcta 120  
ggactgcaga catgtgccac tatgccagc taatttttac atttttgtag agacatggtc 180  
tcactatatt gcccaggctg gtctcaaact actgacttca agtgatcccc ttgcag 236

<210> 20715  
<211> 134  
<212> DNA  
<213> Homo sapiens

<400> 20715  
gaatccagat aatttcacta tcaaagcata aatttattaa atcaaactgc catcgaataa 60  
acctgagtta aataaacttt tggccattgt cttctttaa gtatgtgcaa tagacattca 120  
aagacagga aata 134

<210> 20716  
<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 20716  
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gccaagagcc tggcacagaa taaatgacca gtgaatgttc atataaaatc tcagaggtgg 120  
ccatgaggcc agcattcgcc cagtcctgtg attctaattg gctgaatt 168

<210> 20717  
<211> 362  
<212> DNA  
<213> Homo sapiens

<400> 20717  
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tcggttagaa gcttgggagg ctggactcgt gattggcatc tgtattagtc cattttcaca 120  
ctggcgataa agacatacct gagactgggc aatttacaaa agaaagaagt ttaatggact 180  
cacagttcta cctggctggg gaggcctcac aatcatgggtg gaagggtgaaa ggcacatctc 240  
acatggtggc agacaagata agagaacttg tgcagggaaa ctcccattca taaaatcatc 300  
agatctcgtg agacttattc actatcatga gaacagcaca ggaaacaccc acccccgcga 360  
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<210> 20718  
<211> 316  
<212> DNA  
<213> Homo sapiens

<400> 20718

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aaccagatta	actgccagtt	ttctctggaa	cctcaacatg	tagtaatcat	tttttatatg	120
acatttcctt	cttggcctac	tgcacaggag	tgtaggtaga	tattgttaac	ttcattttgt	180
agaagagtac	atttaagtca	tagagttcct	agatggccct	acgggacaca	cttacttaaa	240
agtagccggg	tcagaatgga	gcatgcccag	ctttcctctt	ccatccataa	tgctcttca	300
caggccagca	cccaca					316

<210> 20719  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 20719	
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gaccatcctg	gctgacacgg
gcatggtagc	gggcacctgt
gaacccagaa	ggtgggggtg
gcgcasacgg	ttgaggcgga
tcacgaggtc	aggagatcga
aaacacaaaa	tattagccgg
actcaggagg	ctgaggcagg
agaatggtgt	
ac	

<210> 20720  
 <211> 122  
 <212> DNA  
 <213> Homo sapiens

<400> 20720	
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tccttattca	gatttcccca
ct	
gaaaattagc	aataattctg
taatatcacc	taatacccag
acagtgtgtg	acctgtgtat
gcctcgcccc	

<210> 20721  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<400> 20721	
caacaataag	tttgcacagc
gagaagcaac	actgttttagc
ctccttaggg	gagggatgaa
aaagggccga	t
acgcagktcc	tctccaggca
aaggggtcagc	aacctctcaa
agaaggaaga	ggaagagaga
gggatagcgt	tctaggggta

<210> 20722  
 <211> 119  
 <212> DNA  
 <213> Homo sapiens

<400> 20722	
agacttggtg	taacaggtat
tgaaatcatc	aactttttta
aaatgactta	agcbatcttg
aaataaaaga	ggaagcaag
ggggagtgag	aggtggctta
gtgaggactg	aaaataaata

<210> 20723  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens

<400> 20723

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gt	gggtacag	ga	aggccact	tac	aggttat	ct	tttgggag	aa	agaggaga	ct	ggactggt	120	
gaaa	actctg	aca	ataaata	tt	ctagttaa	aa	atatgggc	tat	ggcacag	tg	ggccatgc	180	
ctg	taatcct	aac	acc									196	

<210> 20724  
 <211> 134  
 <212> DNA  
 <213> Homo sapiens

<400> 20724												
ca	attag	gat	gg	cg	ttt	tag	tt	cactg	aaa	aag	attcctg	60
ag	aga	acaga	ga	ag	ttt	aaa	aa	at	atgtag	tt	tgaatg	120
ac	catag	agc	tc	ga								134

<210> 20725  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<400> 20725												
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aa	act	tg	caa	gtt	gaatt	at	cac	ctt	tg	ca	aacg	120
gc	ctag	ttca	tg	at	ca	atc	cc	act	ag	ctg	tg	180
ag	at	ca	gaga	ag	cc	agag	gc	tg	gga	ata	at	240
aa	catt	aggg	aag	cag	taca	gct	tat	ggtw	rma	at	ca	300
gg	gtt	caaat	cc	ct	ccctg	ac	att	tattag	at	gact	gggc	344

<210> 20726  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 20726												
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tt	cat	gttt	agt	gctt	cct	tc	agg	agctc	tt	gta	agtc	120
tct	tag	catt	tg	ctt	gtgtg	t	aa	aggatt	t	attt	ctcct	180
gg	ttg	gatat	gaa	att	ctgg	gtt	g	aaa	agt	ctt	ctctt	240
cc	act	ctttt	ct	gg	cttgta	gg	gtt	ctgc	ag	ag	agatct	300
cct	ctt	gtgg	gta	acct	gac	ctt	tt	gtgat	cct	ccaa	agg	360
c												361

<210> 20727  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 20727												
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ac	att	agctg	ca	att	caaat	ta	at	ccat	at	gc	ctca	120
cag	gcc	at										128

<210> 20728  
 <211> 153

<212> DNA  
<213> Homo sapiens

<400> 20728  
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ctcgtcattt aacattaggt atatcaccaa atgccatacc tscacctcs cccgacccca 120  
caacagtccc cagagtgtga tgttccccctt cca 153

<210> 20729  
<211> 88  
<212> DNA  
<213> Homo sapiens

<400> 20729  
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cactgagaag cagttttttt tttttttt 88

<210> 20730  
<211> 124  
<212> DNA  
<213> Homo sapiens

<400> 20730  
atTTTTtGta gagatggggg cccactatat tgtccaggct ggtctcaaac tcttgggctt 60  
aagtgatcct cctggcctcc caaagtcctg agattacagg tgtgagccac cgcgcgggcc 120  
ccgc 124

<210> 20731  
<211> 213  
<212> DNA  
<213> Homo sapiens

<400> 20731  
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caagaaagat cgaattgagt tgtgtgcaat gtcggagaag caggagcaac tctatttggg 120  
tcttttcaac agattgaaa aatctatcaa taacttgggt ataactctgat ttttactctt 180  
ttatgtgaaa aagaatcttg tactggggag gca 213

<210> 20732  
<211> 373  
<212> DNA  
<213> Homo sapiens

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<210> 20738  
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 <212> DNA  
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 20782

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ggcatgactg	gggaaggaaa	gggctcttcc	cctacccaac	aggaatatca	ggtgatagtt	240
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ggtgtgactc	atgtgtgccc	gctgctgata	aaacccttta	tgggaggggg	agcaggcaga	360
aaagcaggtg	caggagccag	gdcgagcctt	tttggtctca	gacctatggc	ggcatctagg	420
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<210> 20783

<211> 172

<212> DNA

<213> Homo sapiens

<400> 20783

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<210> 20784

<211> 110

<212> DNA

<213> Homo sapiens

<400> 20784

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<210> 20785

<211> 129

<212> DNA

<213> Homo sapiens

<400> 20785

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 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<400> 20786  
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 ttcactgtgt tagccaggat ggtctcgatc tcctgctgat ctctactgag tacagtgcctt 180  
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 atataagtta ttactctctt gagtttcacg tgtcacaaga 280

<210> 20787  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<400> 20787  
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<210> 20788  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<400> 20788  
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 agccccgtgc tctcttaaaa acagagatgg ttactatgca cataaaatgg ctggttggttg 180  
 tctttaccac ttgtgctttg gagctcagga ggttgacttg tcaactaaat kttttttttt 240  
 aataagttgt cagtaggttt ttagtatktc tatttagttg tcctcttt 288

<210> 20789  
 <211> 93  
 <212> DNA  
 <213> Homo sapiens

<400> 20789  
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 gccgcatgga gaacggggat gcgtagggcc gcc 93

<210> 20790  
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 <212> DNA  
 <213> Homo sapiens

<400> 20790  
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 ct 122

<210> 20791  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 20791  
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 atatgcaaat caataaatgt aatccagcat aaaaacagaa cca 103

<210> 20792  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 20792  
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 acctgtgaag ttgttaaggc actctcattt gccctctttt tctaagtga tacaggacac 180  
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 aagcaaaca 249

<210> 20793  
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 <212> DNA  
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<400> 20793  
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 gatgt 125

<210> 20794  
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<210> 20795  
 <211> 74  
 <212> DNA  
 <213> Homo sapiens

<400> 20795  
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 gccccacagt cgga 74

<210> 20796  
 <211> 127  
 <212> DNA

<213> Homo sapiens

<400> 20796

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<210> 20797

<211> 78

<212> DNA

<213> Homo sapiens

<400> 20797

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<210> 20798

<211> 230

<212> DNA

<213> Homo sapiens

<400> 20798

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gaagaaaagc	agcaagatga	aaaagaaaaa	aaaaagaaga	tattttcaaga	tcagattctt	180
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<210> 20799

<211> 153

<212> DNA

<213> Homo sapiens

<400> 20799

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<210> 20800

<211> 135

<212> DNA

<213> Homo sapiens

<400> 20800

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<210> 20801

<211> 191

<212> DNA

<213> Homo sapiens

<400> 20801

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<210> 20802  
<211> 69  
<212> DNA  
<213> Homo sapiens

<400> 20802  
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aggggcccc 69

<210> 20803  
<211> 138  
<212> DNA  
<213> Homo sapiens

<400> 20803  
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atccccatgg tttctgatga gaaatctgct gtttttctcc tgtagtccta ttttgtaacg 120  
gattatgatc caaccaa 138

<210> 20804  
<211> 253  
<212> DNA  
<213> Homo sapiens

<400> 20804  
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gcgacgaggg cttggaccag gctggaggca gcagggatgg agaattgtgt ggacacctta 180  
gagatgtatt ttgcagggtg aatcatgaca acctgctaaa tggactgtgt gagtccttaa 240  
tcggctccag ggc 253

<210> 20805  
<211> 165  
<212> DNA  
<213> Homo sapiens

<400> 20805  
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ggtaggtata aggagtggga tcaaggtatt aacaataagg caata 165

<210> 20806  
<211> 442  
<212> DNA  
<213> Homo sapiens

<400> 20806  
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aatatatcta ccatcactgt aattatattt ktkttttatc ttgtaactgg gccatagttg 120  
cttcaatgct gtkgtactac ctttttatta tttatgctct gtgtgcatat kctattcctt 180

tgagagagga	aaacagatat	actgtcttat	ttttattact	gaactcctta	gtctggaatt	240
aactggtctt	tcctctttta	gagctggtaa	gaacttgaca	actggaggta	atatttaatt	300
tcaagtgtta	gaaatatttt	tttcagaatt	tttttactat	kggttgtttc	atcaatagag	360
actttaagat	gaacatgaca	gtttcaggat	cagggtaggg	gtcactgagt	taaggcycat	420
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<210> 20807  
 <211> 135  
 <212> DNA  
 <213> Homo sapiens

<400> 20807		
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aaggaggag	acacccattt	ttatcttaat
atgggttcag	gccgg	
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		135

<210> 20808  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 20808		
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<210> 20809  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<400> 20809		
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<210> 20810  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<400> 20810		
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cgatttttgt	ctgtgcagtg	ggctggaagg
cccaggctgg	tcttgaactc	ctgggatcaa
ctagaattag	agacgtgagg	caccacacca
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		420
		445

<210> 20811  
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[illegible]

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taaattagac	catgcactta	aaagaaccaa	aataaaatca	gtttattaac	tattgagtct	240
ttacattaga	gccaa					255

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 <211> 372  
 <212> DNA  
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<400> 20817						
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tggtgtttcc	tgaatgtttt	actgagaagc	ctttgtcaag	taaagccact	cagtgaatcc	180
tgtgactgaa	tagccaactg	gtgaaatgag	aaactgtcaa	cgtttttact	ttttactgaa	240
ggaggccaat	tctgtgagcg	tatgtntgat	tcaaataaga	ggtttggatt	tgtttaaact	300
caccccgcca	agggtatttc	tagatttcat	cacggaaata	tagtggagct	ctgcgtggtg	360
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<210> 20818  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 20818						
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ctacaaatth	actaggatgt	tcactgttga	agccctgagt	tgtcacgtaa	gaagatagct	120
atgctgcaag	gaagcccaag	ccacatggag	aggcttcagt	tgagagcctc	agctgaggcc	180
ccagccaata	gttcacatca	attgccagat	gtgtgaataa	agagacatcc	agatgactct	240
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<210> 20819  
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<400> 20819						
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<210> 20820  
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 <212> DNA  
 <213> Homo sapiens

<400> 20820							
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<210> 20821  
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<400> 20821  
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<210> 20822  
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 <213> Homo sapiens

<400> 20822  
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 tctctctgga tgccttgctt tctcctggaa gagtcctccc ttccaccccg gatatcactg 180  
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<210> 20823  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<400> 20823  
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<210> 20824  
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 taccaggtc aca 133

<210> 20825  
 <211> 463  
 <212> DNA  
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 tgtgtatatg tttttatttt caaatgataa actctagaca tatattttgc aaaatgagct 180  
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<210> 20826



04-11-05

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<212> DNA  
<213> Homo sapiens

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<210> 20836

<211> 349  
 <212> DNA  
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 caacaaaaat atcatctaac agtgtgtaac acttggtcaat ttcaaagtgg tttaaaaaga 180  
 ctgcaggatt atttggggac agagtcctag aaaagtgaag ataagtacct tcattccaaa 240  
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<210> 20838  
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<210> 20840  
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 <213> Homo sapiens

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<210> 20841

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gggtggccctg acctctacac ctggctggga cgggtgtaga ctggattcgt ctctcatct 420  
cctggggtct cttgaagaag gaggataatg cagc 454

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<212> DNA  
<213> Homo sapiens

<400> 20843  
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gagctgggtat acgatgcctc tccagaatca ccttgttctt tctggatcta ttcagaatct 180  
gaaactccta gaaaagaaaa atgcaagatg catgagtkga gacaggatct cactatgttg 240  
ccttgcatgg actggaactc cttggctcaa gaaatcttct tgcctcagcc tcccaaatag 300  
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gatggacctc agatactacc agcaga 386

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<211> 212  
<212> DNA  
<213> Homo sapiens

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<210> 20845  
<211> 169  
<212> DNA  
<213> Homo sapiens

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<210> 20846  
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<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

<400> 20847  
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cactgcactc cagcctggcg acagagcaag actccgcctc aaaaaaaaaa caaaaaaaaa 180  
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<210> 20848  
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<212> DNA  
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ggtttgaacc accacaac 138

<210> 20849  
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<212> DNA  
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gctcaaaatg gaggtgctga aacctcacac acagaaccag tatcacccat acctaaacca 180  
ttacctgtgc ctgtccccg 199

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<211> 102  
<212> DNA  
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agagaagcct cacaaaataa atgctccacc cacccttag cc 102

<210> 20851  
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<212> DNA  
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<400> 20851  
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aaaatacctt gcctctgcct caccctgcgt gagtctctgc agaggcgggg tgtggctcac 180  
gtgtgcttgc ttagtgagtg agccccacag ttggaagatt tatgctggaa aataaagacc 240  
tcaaggggtg gtgc 254

<210> 20852  
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<212> DNA  
<213> Homo sapiens

<400> 20852  
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atgaaacaaa acacagatcc atatctgtgt catataagct tgctcgatgt aactcaacaa 120  
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<212> DNA  
<213> Homo sapiens

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gggggggt 127

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<213> Homo sapiens

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gagcctatta gacgtggttg aatgaatgtt tccattcaca cccagcccc aca 173

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<212> DNA  
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**SECRET**

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tcagtttctt ttttttt 77

<210> 20864  
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<400> 20864  
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ctgggcctat ctccttctca aggtcctggg ggagtgtctc ctccttcctc ttctagcttc 180  
tggtgggtgc tgcccttgac tggtctgtgg ccacatccct gactccttcc aatctatgtc 240



cccatcttca catcaccttt tcctcttctg tacacgtctg atctccctct gctc 294

<210> 20867  
<211> 177  
<212> DNA  
<213> Homo sapiens

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ggtgaagatt ataattatga tgtgcattta attcttaatg attaaaagac agaccaa 177

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<212> DNA  
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tttctctaag gaacccgata agaactccat tttctgttga tgtggagaca tagggtagct 180  
ccaactttcc ggggtttcag aagagaattt tttattgaaa ctggaagacc agaa 234

<210> 20869  
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tgtgagcagc agaggagcac tctgtgtgtg aggggaaggac cagaatggtc tggagattgc 180  
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<212> DNA  
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<400> 20870  
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atttcatgat cattatTTTT ttctcctcca tgacccccac 160

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<212> DNA  
<213> Homo sapiens

<400> 20871  
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<211> 308  
<212> DNA  
<213> Homo sapiens

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ctgccgcgta aaatgtgctt gtttttcctt ctaccatgat tataagtttc stgaggcctc 300  
cccagccg 308

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caggatgtct tcatcacatt ttgccagtcg acacaggaag gatataagta ctgaaatgat 180  
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<210> 20876  
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<212> DNA  
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<211> 251  
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<213> Homo sapiens

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ccaccacac t 251

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<213> Homo sapiens

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ttccagtaat ctccaaagat atgtacactt aacatttttg tggtcgttcc tccagattct	180
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<210> 20901  
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<212> DNA

# SECRET

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gccggcggtt	gtggctactg	atgccgcccg	acagcaatac	cccgtcctcc		170

<213> Homo sapiens

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atgaacggga	cgcggaactg	gtgtaccctg	gtggacgtgc	accagagga	ccaggcggcg	120
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cttccgtgcc	cca					193

<213> Homo sapiens

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attgtttcct	gcaagagtta	tttaaaatca	aggttaaatc	tggggggcgc		170

<213> Homo sapiens

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atgg 124
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<213> Homo sapiens

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catcttttag  tattgacact  taaaataaaa  cttctcccca  gawaaagagt  tctataaatg      60
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ctggtgtttt  ccaagtcatc  tcagatggtg  cgtgaaaatg  agatgccaaa  gaaggcttaa     180
aaaagatacc  ctggg                               195
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<213> Homo sapiens



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ttcctgcagg taagaggtat tcacttgga aagaccgcg gaatctcacc tggagaggta 180  
aagcagtrct gtgtcctccg accttcctca ctgcattcca acctgtacaa gttgtctggt 240  
tccccaaaaa attggcccc tcatgtgtc aattgtcttc tcatgaacat gcaacaacct 300  
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<210> 20907  
<211> 82  
<212> DNA  
<213> Homo sapiens

<400> 20907  
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catgaactct tctccaaagc ac 82

<210> 20908  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 20908  
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ttattcattg tcttttagtg aaatttatgg cgtaacactt tgtcagagag gagcg 175

<210> 20909  
<211> 357  
<212> DNA  
<213> Homo sapiens

<400> 20909  
gttgagttag gtaagatacg ggaggctcag gtcggtaccc ggggatgggt gggcgcccttc 60  
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ctgcctaccc cttggtgagg agggccggcca caggctgagc gcgctccggg ctgggtactc 180  
ctcagtcagt ccacgagcat cgcgtggtag acttcactt ggccagtcct tcccgcactt 240  
ctgggcgtgt catcagattg aaaggaaaca cactgaatga ggaaaaacta acatacggtc 300  
atcaacatcc ttgtataacc tagtttttaa aaaaattgga tttcaaagct ggagggc 357

<210> 20910  
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<212> DNA  
<213> Homo sapiens

<400> 20910  
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ctgaggctaa tgaacccaaa tcccattctca tctcaccctg catgttactt ctcttgtaga 180  
cacagcctgt tctccaggaa tcaccttatt ttccaaataa aaatatcagg gtatattgtg 240  
agcacacggg tactgtcaca tgaattgctg taatttcaat gcttagaata cttcacaatt 300  
tatagtaaaa taattattta aaatttagga ttatacttat atatggtcts vtgaggcagc 360  
ayaggaaatt gagactgtct gggaaaattt attatctgtg atcccttct 409

<210> 20911  
<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 20911  
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cagtttgta cataggtaaa cttgtgtcat aggagtttgt tatacagatt attttgtcac 180  
caggtactaa gcctggtacc caatagttat tatttctgct cctctccctc cttccaccct 240  
ctaccctcaa gtaggccccca tt 262

<210> 20912  
<211> 200  
<212> DNA  
<213> Homo sapiens

<400> 20912  
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attctgggat gttgtatatt tgttctcatt agtttcaaag aatttcttaa agaactagaa 120  
aagccagagc aaaccaaacg caaaattact agaagaaaag aaataataaa gatcagagca 180  
gaaataaatg aaattgaagc 200

<210> 20913  
<211> 180  
<212> DNA  
<213> Homo sapiens

<400> 20913  
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tgctatccct tccccctcct cccacctcac gagaggcccc ggtgtgtgat gctccccttc 180

<210> 20914  
<211> 74  
<212> DNA  
<213> Homo sapiens

<400> 20914  
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gtagagcacc gaaa 74

<210> 20915  
<211> 68  
<212> DNA  
<213> Homo sapiens

<400> 20915  
gtcaccaccc aggctccctt gcctttggct ggggtgcaact tccatttttag gtgttggatc 60  
tgagaggg 68

<210> 20916  
<211> 418

<212> DNA

<213> Homo sapiens

<400> 20916

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ctactcaact	tgtaaaaacc	taaattctca	aatgtcttcc	tttcgatcac	agtttcctgt	180
tcttcaagct	tatcacccag	ttaattcaca	ctatagataa	tctttgaaca	cagagcgtgc	240
tccaggctgt	gatcttcata	tccttactta	cccagcccag	cttctgtagt	ccatggagtt	300
aactattctc	tttaattccc	ttaacccatt	gtccttctgt	cacatagggt	tgtcatacag	360
gcaattcatc	taactatcca	ctttatcttt	tcttacactt	gagcagtsag	acccccct	418

<210> 20917

<211> 346

<212> DNA

<213> Homo sapiens

<400> 20917

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acttttaagc	ctatagaagt	tctgcccact	aaattcttaa	aagctacttt	atgatttgca	120
tttggtgtct	ttatgtcagt	ttttcagctt	tcccattgct	ttacaaagtt	actttatgct	180
cttttaaaaa	tttaaatgtw	ttggctgggt	gcagtggtct	acacctgtag	tcccagcact	240
ttgggaggcc	aaggcaggmg	gatcacttga	ggtcaggagt	tcaagaccag	actggccaac	300
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<210> 20918

<211> 236

<212> DNA

<213> Homo sapiens

<400> 20918

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gccccgtgcc	aacaaagtgt	ccgaaacctt	catccaatag	gagcttctcc	aaatactctt	120
tgtccacgta	gagctcccc	agaagctggc	ggacagtctt	ctcactcttg	agcgaggcct	180
tccacttggg	ctctcccttg	gtggggtgta	agagggtgtt	catgggctga	ggcttc	236

<210> 20919

<211> 141

<212> DNA

<213> Homo sapiens

<400> 20919

ttttttcgac	gctggcgggtg	gacgcaggca	gcatggacca	cggttgctgg	gcggatgggg	60
agcgtctatg	gtcagttgcc	ttagaagtgg	tgagatggga	agctgcagtk	ggaagaccct	120
ggaggatgcc	tgacaagggg	a				141

<210> 20920

<211> 262

<212> DNA

<213> Homo sapiens

<400> 20920

aattgttttc	caggttaggg	agtcaatagg	tgaataagaa	ttgcagthaa	gtatttcaggg	60
ctggcaccca	aagctcctcc	aaagtgatga	gttggtgaag	gaagtccagc	ttccctctga	120

gtgatgttaa aaatgtgtgg ggcaactgggg gagaggaagg ccaggtggag aaatacatgc 180  
agttaaataa cttttttatg atagattcgc tgattactca gtgatgactt tattgccaat 240  
gatgctccaa tataactggc cc 262

<210> 20921  
<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 20921  
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gtttgcagaa tggaatctaa ttttaaatcaa gagggagtac ctcgaccatc ttatgttttt 120  
agtgtctgacc ac 132

<210> 20922  
<211> 93  
<212> DNA  
<213> Homo sapiens

<400> 20922  
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atTTTTTacc cttttttaaa gggttatgta aaa 93

<210> 20923  
<211> 118  
<212> DNA  
<213> Homo sapiens

<400> 20923  
acatttggtt cgcgtgggaa agggaaaaga gtatcctaaa acgagtctcg aaattcagac 60  
ccaaaccccg aaacgaaccc ttccggtccg ttctggctg tttgaatgcc atctgccc 118

<210> 20924  
<211> 198  
<212> DNA  
<213> Homo sapiens

<400> 20924  
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ggactatgga aagactacat ttctcaacct tcctagtaga aggtgatgtc accagtcgga 120  
attgggcaga agaatgtatc acttcagccc aaggcaatta agtgtagtg tcaatctttt 180  
ccctctcccc taccacca 198

<210> 20925  
<211> 174  
<212> DNA  
<213> Homo sapiens

<400> 20925  
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ttgaaagtgg ggtactggag tctccaactg acatactttt ctttttagctt tttatttttg 120  
aaaatttcaa acatatatga aagaagagat aatgtactta ctcatcacc agg 174

<210> 20926

<211> 288  
<212> DNA  
<213> Homo sapiens

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tgttttcatg tcagctgggg ctagagtctt caccattgtg gttcttactc agagttgtct 120  
ggttatttgt gcttactggg tcttcttctc cttttatctt agatacagaa ggtccatgta 180  
cagatttgtt acatgaaaat attgcatgag gctgggggtt ggagtacaga tcctgtcacc 240  
tagttagtat agtacccaat aggtagtgtt ttttaacca ccccccacg 288

<210> 20927  
<211> 455  
<212> DNA  
<213> Homo sapiens

<400> 20927  
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ttattctaaa tattatttct atttttaaat tggtaataga ccattctccc tgtaccctct 120  
agatctttta tggaatagct aagcatatat cttctcccat cctcctttaa gacttgagta 180  
ggcaatgtaa ggactagaac tgtgtcctgc tcactattgc accttccttg aggggcacag 240  
agcctgaaac ataaagggca ttttcaagta tttcttttta aaaattttct tatagagaca 300  
ggatatctct atgtcaccca ggctgggtctt gagcttcttg cctcaagtag tcccctgcct 360  
taacctccca aagcactgga ttataggcat gagckaccat gcctcgcta aaagtagtkt 420  
ttaaattggt gaattaattt ccacagtcta ccaa 455

<210> 20928  
<211> 154  
<212> DNA  
<213> Homo sapiens

<400> 20928  
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agtctaactt tttaaacctt tagtattgtt tgaattttta taactatgca atacatttgt 120  
aatcaacaca cacacacaca cacacacaca cagc 154

<210> 20929  
<211> 91  
<212> DNA  
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tgtagagcac cgaaaaccac gaggaagaga g 91

<210> 20930  
<211> 291  
<212> DNA  
<213> Homo sapiens

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aaaagggaac tccctgaccc cttgcgcttc ccaagtgagg caatgccttg ccctgcttcg 60  
gctcgcgcac ggtgcgcaca cccactgacc tgccccact gtctggcact ccctagttag 120  
atgaaccggt tacctcagat gcaaattccag aaatcacccg tcttctgcgt cgctcacgct 180

gggagctgta gaccggagct gttcctattc ggccatcttg gctcctccaa aaaataccag 240  
tcttcgatta gatattactt cttctgaaca atcttccttg atgaccata c 291

<210> 20931  
<211> 248  
<212> DNA  
<213> Homo sapiens

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tggctgcggg actgacgaag tcttgctgtg tggcccaggc tggagtgcc ggctggtctc 120  
aaattcctga cctcaagtga tctccctccc aaagtgttg gattgcagg gtgagccact 180  
gcacctggct gggtaggaaa gtgagactct gtcgtgttac aaaaaataaa tgagtkasgc 240  
aaggtggt 248

<210> 20932  
<211> 123  
<212> DNA  
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gac 123

<210> 20933  
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gtagagcacc gaaaaccacg aggaagagag gtc 93

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<212> DNA  
<213> Homo sapiens

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tctgtcctct caccctcga cc 142

<210> 20935  
<211> 174  
<212> DNA  
<213> Homo sapiens

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ggggaaatcc agtccctgtt actccatttt ggccagaaat tcaagacatt tcaggtggca 120  
gaataaattc aatccttgtt tctccatctt atcgagtagt agaagttagt taca 174

[illegible]

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cagctaaatg tacaagcact aggggtgttt taatttaaca gagaagctgg cacg 174

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cgtc 424

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<212> DNA  
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aacaaaaacc actattatta ttattattat tattattatt attattgtgg ttctttttaga 180  
aatttcctct cagagtgttt tatatgatta ggggcattca gattgttttt aacttttttc 240  
tcgtcatgtg aaacaactct tcctaaggta caa 273

<210> 20944  
<211> 257  
<212> DNA  
<213> Homo sapiens

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atattaacat ttctccattg gaagttggat tcatggattg gcctcatgct gcattcaagg 180  
cactttagcc aggacccaac actcattgcc aagagtcac aggctagaag tttgctttta 240  
agatgttccc cgccgct 257



<210> 20945  
<211> 250  
<212> DNA  
<213> Homo sapiens

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tgtcactctg tctcccaggc tggagtgcag tggtagatc ttggctcact gcaaccacag 180  
cctcctgggt tcaagtgatt ctctgactc agcctctcga gtagctgaga ctacaggtgc 240  
ccaccacaac 250

<210> 20946  
<211> 159  
<212> DNA  
<213> Homo sapiens

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cccaaaaata ggagaaaaat tcttaatttt caagcctaaa atattaacat ttttrcattt 60  
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<212> DNA  
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ctggataatg agagactatt gtacatgaaa cagact 96

<210> 20948  
<211> 214  
<212> DNA  
<213> Homo sapiens

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tgccatgttg gccaggctag tctcaaactc ctgacctttt gatctgccct cctcagcctc 180  
ccaaagtgct gggactatag acgtgagccg ccct 214

<210> 20949  
<211> 79  
<212> DNA  
<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 82

<212> DNA

<213> Homo sapiens

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<210> 20952

<211> 161

<212> DNA

<213> Homo sapiens

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ggctaacaac acctaaagcc actgattaac cttaagggtca ctaaaaggta gggcggccccg 120  
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<210> 20953

<211> 175

<212> DNA

<213> Homo sapiens

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agctccagab ctgcacccac ttctgcaccag gdkatagaag cagagccacc ttctggcatg 60  
gaaggccttg gctgaactgt cttaacgtta aatgctatag gatcctccgt ctctttaggg 120  
caccaggagc cctggagaaa gacacagccc ccagggtca cccattccc aggcc 175

<210> 20954

<211> 148

<212> DNA

<213> Homo sapiens

<400> 20954

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ctttgctttg cattggaagg aggggtgcg 148

<210> 20955

<211> 81

<212> DNA

<213> Homo sapiens

<400> 20955

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09-39511-DE-00

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gctccaggac ctcgcacccc gagacggaca tcttacaccg ccaggcctat gcggcccccc 180  
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<210> 20961  
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<212> DNA  
<213> Homo sapiens

<400> 20961  
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gtcagcctcc atgggacaga ctcagctcat ctcccatggg tcttccacag cccatgac 178

<210> 20962  
<211> 101  
<212> DNA  
<213> Homo sapiens

<400> 20962  
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<212> DNA  
<213> Homo sapiens

<400> 20963  
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<213> Homo sapiens

<400> 20964  
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<210> 20965

<211> 391  
<212> DNA  
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<400> 20965  
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<211> 95  
<212> DNA  
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<400> 20966  
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<212> DNA  
<213> Homo sapiens

<400> 20967  
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gtatcaggcc ttgttataaa taagctgcat aatcaataaa tagaacaagg gactttttgt 180  
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<210> 20968  
<211> 196  
<212> DNA  
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<210> 20969  
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<212> DNA  
<213> Homo sapiens

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tgtgcaagat tatttcagag caaggctgtg cgggtgtgtg agaagatgaa cagactagcc 180  
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ttgtacaatg acgacagaaa cctgcttcga attagagaga aggaaaggga 290

<210> 20970

<211> 376

<212> DNA

<213> Homo sapiens

<400> 20970

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aaattcctcc	cctgactctt	gcttttgctta	tgcaatctcc	attcaatttg	gctagtacat	180
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caagtaagac	cttccatgat	ctctgcttct	ctgaaaggag	aaggttggaa	tttatgtaac	300
ctagagagaa	ctgaaatgac	cttggaatct	tccagtttgc	agtttgtaca	gcctaccttt	360
aagtttcgtg	ggctct					376

<210> 20971

<211> 132

<212> DNA

<213> Homo sapiens

<400> 20971

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<210> 20972

<211> 101

<212> DNA

<213> Homo sapiens

<400> 20972

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<210> 20973

<211> 119

<212> DNA

<213> Homo sapiens

<400> 20973

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<210> 20974

<211> 191

<212> DNA

<213> Homo sapiens

<400> 20974

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cagtggcatg	ttcatagctc	attgcagcct	tgaactcctg	ggttcaagcc	atcctcccgc	180
cccagcctcc	t					191

<210> 20975  
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 <212> DNA  
 <213> Homo sapiens

<400> 20975  
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 ttgtaaaagt ggaggcattt gttcatattg acattagctg cctctgtatc tctcgggtgg 180  
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<210> 20976  
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<400> 20976  
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 atccaaggcc gcga 134

<210> 20977  
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 <212> DNA  
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<400> 20977  
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 gtccacaagc cgccccgcc ccgcc 146

<210> 20978  
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<400> 20978  
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<210> 20979  
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 <213> Homo sapiens

<400> 20979  
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 aagggagaag tcaagctggg gcttgatca cgcaaaccct cctccccctt ttggctccta 180  
 aataagatgg ctacaagggt aaaagctaca tgcctcccct gtattttgcc cacaaggaaa 240  
 ttcttagtga gctgcaagat cttttaagggt gtttctgtta acatttcacc atgacaacgt 300  
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tgggattgtt ttgctgcccc atttt 385

<210> 20980

<211> 204

<212> DNA

<213> Homo sapiens

<400> 20980

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aacttgccct	ggaccctgtt	cctgtggatc	cttgaggagc	cctcctgggc	ctgtgactga	180
taaaccctc	ccctgccgc	ccca				204

<210> 20981

<211> 194

<212> DNA

<213> Homo sapiens

<400> 20981

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catctctgtt	agaacatgtt	cactgtcaac	cactcatacc	tcacagtga	aacctgttca	180
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<210> 20982

<211> 102

<212> DNA

<213> Homo sapiens

<400> 20982

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<210> 20983

<211> 259

<212> DNA

<213> Homo sapiens

<400> 20983

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tggctcttaga	gacagtttgt	tataatttct	gttatcttac	atttgctgag	gagagcttta	180
cttccaagta	tgtggtcaat	tttggaatag	gtgtggtgtg	gtgctgaaaa	aatgtatatt	240
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<210> 20984

<211> 125

<212> DNA

<213> Homo sapiens

<400> 20984

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cgctg						125



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<213> Homo sapiens

<400> 20985  
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gatggggggc ttgtgcttag atta 144

<210> 20986  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 20986  
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agatattagt catatttatt aagtgcacac cagtaatact gaaggcactt atttctcaag 180  
aaacatcatt ttttccaaaa aagaacatac tacatcctaa acatgaratg araataagct 240  
ttaattttca ccacaggagg gcgacagtca gagaactgag gtagtacaga tccattagag 300  
gaccatatcc vnkagtctat cagtctctac t 331

<210> 20987  
<211> 266  
<212> DNA  
<213> Homo sapiens

<400> 20987  
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tcgggtgctga aactgagcct ggaggggtgg ttctttccac tcaaactaat ctatatgtga 180  
aagagatgag ctttcaaaca cagaaccaca cccctcttgc tttttatgac attaccctgg 240  
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<210> 20988  
<211> 303  
<212> DNA  
<213> Homo sapiens

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ggatagttca gacggtttca caaggttgtg aaattgaatg agaaatacat ggcacttta 240  
caagtcacta tggattattt aatttctttt cttcttcttc tgctgctgct tctccctgcc 300  
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<211> 468  
<212> DNA  
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<400> 20989

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cagtacagtc	agggaatttc	taagcatcag	ttttctcagg	tagaaaatgg	agaggatatt	180
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cacacagcaa	gtaccacag	agccagctca	gggcagcaca	tctcggggag	aaggccagcc	300
acggtgtccc	tgcagtgacc	tcctggagmn	gggccwracc	ccacctcaat	ctctgccgaa	360
gactcaaccc	aggaggggtc	tgtttgggct	caaaaaagat	cataaacgac	atggaagcca	420
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<210> 20990

<211> 320

<212> DNA

<213> Homo sapiens

<400> 20990

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agtgacaaag	cagccgagga	ttaaccctgc	tcctgggtcc	tacgtctgtc	cagggagctg	180
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ctgggcgcct	actacgtgct	gggcgtgggg	tcaaagtgc	ccagagttcg	cgcccgtgcc	300
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<210> 20991

<211> 293

<212> DNA

<213> Homo sapiens

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ttcagcccg	agtctgaaaa	aggggagcgc	ggagaggagg	ctggaagagg	aagatgccta	180
gcacagacct	tctgatgttg	aaggcctttg	agccctactt	agagattttg	gaattatact	240
ccacaaaagc	caagaattat	gtaaatggac	attgcaccaa	gtatgagccc	tca	293

<210> 20992

<211> 376

<212> DNA

<213> Homo sapiens

<400> 20992

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<210> 20993

<211> 193

<212> DNA

<213> Homo sapiens

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 cccacaccca tct 193

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 <212> DNA  
 <213> Homo sapiens

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 cccggccatg cttatatctt taatccaacc atatactatt tttgtgaatg atggaagtaa 180  
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 gtgtgtaaac agagaaactg ggcgtcacat aaggcaagt acctgcacag cmtwgctccg 420  
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<210> 20995  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

<400> 20995  
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 aagagaatga ccctttttat ttagatcaga cccag 216

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 <211> 387  
 <212> DNA  
 <213> Homo sapiens

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 tgcagcagca gactacgatg agttggcaga acctcaagac tttcaggacg atcctgacat 180  
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<210> 20997  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 20997  
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gggggaggaa agtcaaggga agaaggtatg caggatatta ttctccattg cttgaagtct 180  
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<210> 20998  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

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 cacaggc 127

<210> 20999  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<400> 20999  
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<210> 21001  
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 <212> DNA  
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tttactggct catgttattg cctggcccca agaagccaca tttaagatat ctctccttag 180  
atgctccccc taaaaggcct acacccccgc ccccat 216

<210> 21003  
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<212> DNA  
<213> Homo sapiens

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caagacccta tcaaggggccc cgatacccct tgcaggccat ttgggtactg tttactacat 180  
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ctccgggcac	gtcaaccct	tcctcccgt	tatsagtgat	acgggaacaa	cacctccaga	180
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<212> DNA

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6863

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agatgtggga	cttctttcaa	agatgtgtgt	kacagaatca	gaagcaaatt	ttacttttaa	420
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<212> DNA

<213> Homo sapiens

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<211> 456

<212> DNA

<213> Homo sapiens

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<211> 280

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<213> Homo sapiens

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<212> DNA

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 aaaaaaaaa 188

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 cagcctatca atcttcttga ttaaaccgaga agaaggcaga taacctgggg agcagggagc 240  
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 21054

<211> 118

<212> DNA

<213> Homo sapiens

<400> 21054

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<210> 21055

<211> 187

<212> DNA

<213> Homo sapiens

<400> 21055

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tggatttcta acattaaaat taactagttc atcttgaagg aaagacactg gcttccttgt	180
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<210> 21056

<211> 60

<212> DNA

<213> Homo sapiens

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[illegible]

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<212> DNA
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<212> DNA
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<211> 113
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6872



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cacagaagtg tctggagtgg ttgattcaca ggtagca 277

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tggctctgctg cacctatcaa cccgtcatct aggttttaag cccacgtgc attaggtatt 180  
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<212> DNA  
<213> Homo sapiens

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ttggtaaatga tcatagcacc ttggatgggt attccagaag aaccaccttg tcttcaaaaa 180  
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actgtggaga	aggtctgtct	tgccggatac	agaaagatca	ccatcaagcc	agtaattctt	420
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<210> 21067  
 <211> 91  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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cttgccattt gactgagaag gctcctgggt ggctcagaag tggttccagc caagcctcta	300
gagacatgcc agacttctgc ccgctgtgtc atagggcagt aacggcttag caggtacctc	360
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<210> 21069  
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 <212> DNA  
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 <213> Homo sapiens

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agcagtwagc ccctcaaaaa ttagtgactc atgaaagtgg gcacaaacaa tttggccagc	240
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<210> 21072  
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atTTTTtgac caaggacagt agactgccta tatcagttga ttcaccacca gctgctgctg 180  
acagcaacac cactgcagca tctagtgagt accatttaca ccagtgggtcc tctcatatac 240  
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<210> 21073  
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<212> DNA  
<213> Homo sapiens

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gtgttaatat aaataaggta agcagtgtaa agggctggac taagagcagt catttgctca 180  
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<210> 21074  
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<212> DNA  
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<210> 21075  
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<212> DNA  
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tggctccccct ggctaccagt ggtgggagtg ggtgaggata actgccttgt tgtccagatg 180  
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<210> 21076  
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<213> Homo sapiens

<400> 21076

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<210> 21077

<211> 212

<212> DNA

<213> Homo sapiens

<400> 21077

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cgagatcatg ccactgcact ctgacctgga caacagagcg agactccgtc tcataataaa	120
ataaataaat aggatcaaca gggcacaaaa gttatgttag gaactacaca aagggtgagcc	180
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<210> 21078

<211> 380

<212> DNA

<213> Homo sapiens

<400> 21078

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ccagatcctg cccttttagac aggaatctgt ctctcagcct accggaagtc tcaggtaaac	180
tctctaattgt tccagagaaa ccccagggtat tttccaagtt acctcagggg tatgtgggaa	240
tgtggctatc tcaatttgtt gggttggggg gcttggaacta aggcctctga tctaataaaa	300
attatctcct ttcctccccc tctagtggta cttggaattc tgtcactgtc cagtcattct	360
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<210> 21079

<211> 326

<212> DNA

<213> Homo sapiens

<400> 21079

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caggaggggc ttcctattgc cttgatagga acmccaggcc tgctctgtgt gatgggccac	180
ttgcagcctg gtccatcagt tttatccccc atttaaggct actggtttcc tcaactgagc	240
tgagacaata ggatttccgg tggccagata cttcagccaa ccctcactgc cctggttaat	300
gagactgaca ccacccctc cccccc	326

<210> 21080

<211> 152

<212> DNA

<213> Homo sapiens

<400> 21080

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aaatatttgg tagaattaac tagtgaacac cc	152

<210> 21081  
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<212> DNA  
<213> Homo sapiens

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attctcattt caccagtggg gaaa 144

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<211> 437  
<212> DNA  
<213> Homo sapiens

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ccatecttca ctgcatcatc gctgctcttt atccctactt ctcccgaccc tctcagcttt 180  
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accttcctct gctcagtttt agagatatct caaaattcta aattccattt ttgcaggaag 300  
ctatagacct tagagagtgg ggaaggcaaa atcaagctag caaaaaaac aaaaacaaaa 360  
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<210> 21083  
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acctgggtga cacagcaaga ctctgtctca aaaaaaaaaa aaa 163

<210> 21084  
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<212> DNA  
<213> Homo sapiens

<400> 21084  
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tggttttact taatttaaaa aaaaagagtg agttttttta aaggatggac aaactgacca 120  
atctggtacc cttttcccac ctttgcccaa agaagaaatt aactatgttg gaactgtgcc 180  
ccctttccat cgtaaatgaa gaatcaaaaa catgatgggt tcaatgtagt ggggtgtctct 240  
tgcccatcct ggtttaaatc catgtatcca catcttcccc aagacaaatg actatggaag 300  
cctagtatta ttcaaaaagt ttgaatctgt gtgcaaagag aacatttgca gttttcaata 360  
acaaaacaat actataagct ttgaagggtg ccttatctgt a 401

<210> 21085  
<211> 440  
<212> DNA  
<213> Homo sapiens

<400> 21085  
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 agaagaccgt gagggccaca gtattatgtg taaggaagaa agaaataggt ggggtccaca 180  
 agaaaatcag actggattat gacagcttta ttggtaagtg taagatgaga tttcctgtta 240  
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 ttgaattttt gaaagattgt tcggttgctc actgaaagta gtagaggagc ctgagagaaa 360  
 cagggaacca gtaaaatggt tatcacagat gtccgggtga tgggtgccaga tgggtggcttg 420  
 gactagcatg atgtctttca 440

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 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 21086  
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 taccttcaag atacagaaag ctctattgtg tcctttcccc atcactcctt cccccccccc 180  
 cc 182

<210> 21087  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

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 tcccttatgg aagtcagcac gtcaggggac atccctgatg ctgccttttc tggaatctcc 120  
 ctggtcaacc catccctt 138

<210> 21088  
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 agggaccctg tgcttaccct catgtcc 147

<210> 21089  
 <211> 98  
 <212> DNA  
 <213> Homo sapiens

<400> 21089  
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gcattgctat	ttttgcaact	cagttcacat	actatttatg	ggtaaaatct	gtaaaaactg	180
ggtcagtttt	ttggacaatg	tgctgctgct	tatcctatct	ctatatgggc	tctgctcggg	240
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<210> 21091

<211> 106

<212> DNA

<213> Homo sapiens

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<210> 21092

<211> 159

<212> DNA

<213> Homo sapiens

<400> 21092

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attcagagca	ttgggtactt	gttatttga	ccagtttgaa	gcatctttga	tttattggac	120
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<210> 21093

<211> 301

<212> DNA

<213> Homo sapiens

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gccacttcgc	ccagcccacc	gttttatttt	taaagaacat	tgagagctatc	atgtctggaa	180
gtgtgtdtgc	aatctaattt	tacctattca	ctctcctcct	taaatttttc	ttttgtgact	240
tttctgcaac	cagtaaggga	aactcagatt	atcatgagaa	tcttttctaaa	tccctccatg	300
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<210> 21094

<211> 201

<212> DNA

<213> Homo sapiens

<400> 21094

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gtttccctgt	ttcagttcca	ttgatttatg	ttctaattgt	tattgttact	tttcttttgc	180
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<210> 21095

<211> 277

<212> DNA  
<213> Homo sapiens

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ggatacaatc aaacatagtt aatctcttga gtgctaata tttgagtata gtccacatca 120  
ggaagttttha tgaggttgaa aactttactt tgaaatattt aattgggaga ctagaccatt 180  
tctttttcca agtcattctg atttattgtc ctagtaaatt tatgtgtatg catatatact 240  
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gtataggaga gttatctctg cttatgatta gagttacctc tattttcatg cattttggaa 180  
aatcatcata ataaaaagtt aattttgaaa aaagaatctc ttttactcaa gtttgaggta 240  
aagtctcatt tcacctcact gggctcttct ggaccagata accatccccg aaca 294

<210> 21097  
<211> 290  
<212> DNA  
<213> Homo sapiens

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agaaaaaatt tgctgttgaa gttcatgac caggaaggat ttcagtttca agaagaacct 180  
ttgggcaaag tggcctgttt gtgcaaacat ggtatgctaa ctcttctctc atcaagtcca 240  
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<210> 21098  
<211> 349  
<212> DNA  
<213> Homo sapiens

<400> 21098  
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gtcacccgac ccagggtca accagctaatt atcggtcttg acattaaaca gatccccagg 180  
caacaagagt ctctgaacca aatccttagc tcaattgcag cactggccag atgggagaaa 240  
aatgtctcag tgccaagga tcatggtcca atttcagaca gctaagacct gaagaaagtg 300  
aactaattca cactaaaggg ataagtgtca ctatggccaa caccctct 349

<210> 21099  
<211> 377  
<212> DNA  
<213> Homo sapiens

<400> 21099  
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ctttgaggag	caggatttga	gctctgaaat	tatgtaaact	tgcccctgca	tggtgatcat	180
cgtaagcagc	ctgacctttt	atctgtgttg	ttatttcttg	taaacttcct	atagatgacg	240
aaccctttat	tttctgccct	ggaacgggtg	gcttcctctg	ccctgtcctt	ggtactggca	300
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<210> 21100  
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 <212> DNA  
 <213> Homo sapiens

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caacc	
	60
	120
	145

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 <211> 89  
 <212> DNA  
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	60
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<210> 21102  
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 <212> DNA  
 <213> Homo sapiens

<400> 21102	
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	240
	300
	360
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 <212> DNA  
 <213> Homo sapiens

<400> 21103	
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agaacgtact	gcaggcagaa
tagccagaca	ttggagcgag
cctgggaagc	agtwtgattt
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cagybacttc	cacccatcc
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	300
	360
	379

<210> 21104  
<211> 217  
<212> DNA  
<213> Homo sapiens

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0513458-0500

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<210> 21122

**DEPT OF HEALTH & HUMAN SERVICES**

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<213> Homo sapiens

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ggaataagac tctcaggaga tctctttgcc tgagggttcta tacctatttg ccagaatcct 240  
gtgggggtaa tctgtaagtc tcatcagatt tctctaaaca tttataaatt ggaccatgk 300  
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tdgatacc 368

<210> 21162  
<211> 122  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
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cggaggatag caattagcta tagctaggcc tgctcctctt tgcacagctc aagatgacgt 180  
gtacaattac tttggcacct caccagctct ttcagacctt ttccatgcat gatgggaaga 240  
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<212> DNA  
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<400> 21164  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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gaagctgact caaaacgtaa cggccgct 88

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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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cgctcgatgt ccctgaactg ccccaggcct cctcctcccc tcaaggcact ccacggctag 180  
ccacctggca gcctgggctg ctactagaa ggctactgcc ctctacccca ctgctttcat 240  
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<212> DNA  
<213> Homo sapiens

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gtaaagaaaag tgagcctttt agaatcatcc cagcaccacc 160

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<211> 173  
<212> DNA  
<213> Homo sapiens

<400> 21170  
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<210> 21171  
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<212> DNA  
<213> Homo sapiens

<400> 21171  
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<213> Homo sapiens

<400> 21172

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<211> 208

<212> DNA

<213> Homo sapiens

<400> 21173

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agattcttga	ctccccagac	gggaccagga	gagggacggc	atgagcgaca	cacacaaaca	180
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<210> 21174

<211> 255

<212> DNA

<213> Homo sapiens

<400> 21174

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cttcagatac	tatggtgttt	tacagctttc	accacagctg	catcagctta	tagttactat	180
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<210> 21175

<211> 267

<212> DNA

<213> Homo sapiens

<400> 21175

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aagtgggtga	agacatgcta	caactactat	tttttagcaat	gttttttaaat	ttgtgtctat	240
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<210> 21176

<211> 136

<212> DNA

<213> Homo sapiens

<400> 21176

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<210> 21177

<211> 227

<212> DNA



**097-3860**

ccttcagcga	cagttttaca	gcagataatg	tctgcacgac	atgggcggag	gaggcaaaac	60
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accaagaaaa	cgaagccttt	gaagaattcc	accattccgt	tatatattcaa	ggcaccacct	180
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<213> Homo sapiens

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cgtttatgag	gagagaacaa	gcaacctgac	ttacaggaag	taaaagaaga	tcattgtgac	180
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<213> Homo sapiens

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<213> Homo sapiens

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ccttcatttt	ctttgtggtg	aagtcaaaact	ttttctaagt	dttttttcaa	tgagaaattg	180
tgtt						184

<213> Homo sapiens

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cacctggaac	ataagacaca	ggcttgagct	gcaccacacc	actgtgtcca	ttgtttaagg	180
aacatggttg	tctcatctgg	ctgsmctctg	tgggactcgc	agctcctgcc	ttattccatt	240
tgaagattac	tatttgctat	ggaaaaagtg	atgtcaaatt	tatggggttg	ggcttggggc	300
catgaataaa	cacaaaatag	ttgacccac	agggtaggag	ttattattag	gtttaggagt	360
cgccacctta	tgtgggtcac	cacccaggc	cctgcttttt	gggtggagca	gtctggca	418

<210> 21182  
<211> 86  
<212> DNA  
<213> Homo sapiens

<400> 21182  
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tggctgaaga agcgacggg cccaca 86

<210> 21183  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 21183  
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tttagacca ctatctgtca gatccttgcc atctgtcagt gtctgcctgc gccacccccg 180  
acg 183

<210> 21184  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 21184  
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aaaaaa 126

<210> 21185  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 21185  
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tgcaacctgg gccagaaacc accagtgacc tctgctaact ttgtcctttc ttccagggtg 180  
aaaggggaaa atgtggccac cccctgaagt cgctgtccgc cgccgcca 228

<210> 21186  
<211> 455  
<212> DNA  
<213> Homo sapiens

<400> 21186  
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gagaggcttg gaccagcac tggcagtaca gcagagrcac agtgccgtaa ctggctgaag 180  
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aaaggttata gcagcaatta tagaagggtc ccagaaaagc ctacagggga tcttagagaa 300  
agaatgaaga acaagcgcca agacgtggac actgagcccc agaackgnaa tacagaggag 360  
tcacctcac ctgttaggra agaattctca agaggagagc atagggaaaa ggaagacata 420

aaaatcacta aggaaagaac tccagaaagt gaaga 455

<210> 21187  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 21187  
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aaaaatgtct cccacaggaa atgagatgaa gaggcaccact cagggaacca cacggaagca 180  
gcaggatttt cagcaggtga acaaaagaag aactttctta caggataaca gttggataaa 240  
gaaacgcccc t 251

<210> 21188  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 21188  
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ttctttttta ttcagttatt tcaaggaggg ctcccagtaa attttgcttg gtaaggagat 180  
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ggg 243

<210> 21189  
<211> 213  
<212> DNA  
<213> Homo sapiens

<400> 21189  
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aatggatgg aaggacacat ggatacctag aacacggaga cctgaggag ctggagaggc 180  
ctcagtgact ggtctaagtt caccaccagg agt 213

<210> 21190  
<211> 379  
<212> DNA  
<213> Homo sapiens

<400> 21190  
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tgtttgagaa ctccaaagcc tcaaatgggt gttcctagtt agatcaggta gtatcctccc 120  
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gccaactcta ctgtcgaata tgaggtgcat ataaattaga actgcacaga gttatagaaa 300  
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aacaagagtg tcgtgcat 379

<210> 21191  
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<212> DNA

<213> Homo sapiens

<400> 21191

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<210> 21192

<211> 197

<212> DNA

<213> Homo sapiens

<400> 21192

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aaatgccgta	atgttctcat	gtacaaaaa	agttggggaa	tttttgtcag	aaaattatga	180
gkttgcact	ggccaat					197

<210> 21193

<211> 373

<212> DNA

<213> Homo sapiens

<400> 21193

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cggaaggccg	cagggtctc	tgcttaggaa	aaccagagac	ctttgttcac	atgtttatct	180
gctgaccttc	tctccactat	tgctctatga	ccctgccaaa	tccccctctc	cgagaaacac	240
ccaagaatga	tcaataaata	ctaaaaaat	ttaaaaaaa	agagaagdk	kcgagagaaa	300
cagtttataa	aagtgaaggt	tgccagatg	tggtggctca	tgctgtaat	tccagcactt	360
tgaggaggccg	agg					373

<210> 21194

<211> 126

<212> DNA

<213> Homo sapiens

<400> 21194

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<210> 21195

<211> 219

<212> DNA

<213> Homo sapiens

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aaaggcagtk	ctgcaagatg	tactaaatat	gtatatgaga	aattatagaa	aatcatgtkg	180
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<210> 21196

<211> 245



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aagcggattg gggcgttgtg cttccttgta cctcgtgagc ctccgttgcc ttgggcggag    120
ac                                          122
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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

<400> 21206

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ctggccagg	tggcacaact	cttccttccc	cgtgcacagc	aggaaagctg	ccatcagctg	180
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 <213> Homo sapiens

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aaaraaaaa	gaaaagmcta	gtagaaaccc	ccca			334

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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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atatattaat	tttagggaat	tgactcgtgt	gactgtggag	gctggtaagt	ccaaactcyk	360
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 <213> Homo sapiens

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<210> 21213  
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 <212> DNA  
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caccct	

<210> 21215  
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 <212> DNA  
 <213> Homo sapiens

<400> 21215	
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gcacagcaat	202
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gctgaggttt	
cctgacaccc	
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gagtttatgc	
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<210> 21216  
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<212> DNA  
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tgaactgcaa tctgaaatgc tcccctgaat tttagagttt tcttgacaggg aaaatttcac 180  
gtgagctcat cctgaccctt gctaataattt cagccaagca catagtttat tgtctaataga 240  
cctttcaagg cccttcagtgt atgtttggcac gtgctgtcat attctgaggg tgggtgcgcas 300  
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cacc 364

<210> 21218  
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<212> DNA  
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<210> 21219  
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<212> DNA  
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<210> 21220  
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<212> DNA  
<213> Homo sapiens

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aaactaaaaa cgctcatttg ttgtktttga agacagggtc tcaactctgtc acccaggctg 180  
gggtggcgtg taatctcggc tcaactgcagc cttcaccttc cgtacccaag ccatctttcc 240  
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<210> 21221  
<211> 292  
<212> DNA

<213> Homo sapiens

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ccaacttgcg	cctggcctgg	atthttgcagg	ggacggggct	ggggagctgg	tgctgggtga	180
gccaccggcc	ctgacaccca	gccgcgtgac	cttctctcgt	ggcctcacag	tcctcccttc	240
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<210> 21222

<211> 200

<212> DNA

<213> Homo sapiens

<400> 21222

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ccctctgggc	ctcagtttcc	ccaagctgga	tgtgtcgtcc	ccctgcttca	ttcataatca	180
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<210> 21223

<211> 192

<212> DNA

<213> Homo sapiens

<400> 21223

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aacatgaaga	gcttgaaagc	gaagttcagg	aagagtgaca	ccaatgagtg	gaacaagaat	180
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<210> 21224

<211> 289

<212> DNA

<213> Homo sapiens

<400> 21224

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ctcctgtcct	tctgggactc	cctggagact	ggaccctagc	acctccactc	agcctcacc	180
tcctcacttc	ctctgcagag	gtctattcta	ggaaaaggaa	atggccggag	ctggcaatga	240
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<210> 21225

<211> 181

<212> DNA

<213> Homo sapiens

<400> 21225

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[illegible]

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6907

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cctgtct 127

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<213> Homo sapiens

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cacaaggtat gatgcacc 258

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<211> 228  
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<210> 21235  
<211> 431  
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<400> 21235  
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ctgttaataca ttactcaat tcataatgct tataatctgaa atttatgtag cttttctgaa	180
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<400> 21240





<400> 21249  
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aaataaccag tcatgggtggc acgcat 266

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<211> 54  
<212> DNA  
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<210> 21252  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<210> 21258  
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caacataatt cttccttata ttcagagtac ttctcatttg atttgtcccc caaactgaaa 420  
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gccaagatcg	caccaccgca
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

<400> 21262	
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<210> 21263  
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 <212> DNA  
 <213> Homo sapiens

<400> 21263	
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<210> 21264  
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<400> 21264  
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<212> DNA  
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cagctggggg agatgcctta aggggtattg cttatttgtt tgcgccatta ggatattgct 180  
gggtcag 169

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<212> DNA  
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<210> 21270  
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<212> DNA  
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 194

<212> DNA

<213> Homo sapiens

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<210> 21276

<211> 138

<212> DNA

<213> Homo sapiens

<400> 21276

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<211> 187

<212> DNA

<213> Homo sapiens

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tggtcacac	ctataatccc	agcactctgg	gaggctgagg	tggttgatc	gcttgagtcc	180
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<212> DNA

<213> Homo sapiens

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# THE UNIVERSITY OF CHICAGO

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ttggcaaaaa	atacacaatt
tccaccttta	ccttgtagtc
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<210> 21334  
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<400> 21334	
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aggggctgga	taagatgctc

<210> 21335  
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 <212> DNA  
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<210> 21336  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<400> 21336						
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agacgagatt	gcagcactgc	attgcagcct	gggtgataga	gcgagactct	gtcttcaaaa	180
atattactac	gtgatgatta	acaattttgc	tgtagggcag	aaaatacgca	agaggaactc	240
cgagaat						247

<210> 21337  
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 <212> DNA  
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<400> 21337						
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agatcattag	gcattagatt	atcataagga	gcatacaacc	tagatccctt	gcattgtgcag	180
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ggastcaggc	agtaatggga	gcaatgggga	gcggttttca	atacagatga	ggctttggtc	300
acttgccctgc	ctttcacctc	ctgctgtgca	gcttggttcc	caacaggcca	cggactgggtg	360
gtc						363

<210> 21338  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 21338						
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gatgtaaaaa	aggaaaacat	tgggctagtc	aatgtcgttc	taaatttgat	aaaaatgggc	180
aaccattgtc	gggaaacgag	caaagggggc	agcctcaggc	cccacaacaa	actggggcat	240
tcccaattca	gccatttggt	cctcaggggt	ttcagggaca	acaaccccca	ctgtcccaag	300
tgtttcaggg	aataagccag	tkaccacaa	acaacaattg	tccctcacca	caagcggcag	360
tgcagcagta	gatttatgta	ctatacagca	gtctctctgc			400

<210> 21339  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

<400> 21339						
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gacctcaggt	gatccgccgc	gccta				85

<210> 21340  
 <211> 121

<212> DNA

<213> Homo sapiens

<400> 21340

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<210> 21341

<211> 118

<212> DNA

<213> Homo sapiens

<400> 21341

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aggagcgtgg	aggacgtgtg	gttactcaaa	gaacagctaa	gaattttgca	atcggtccc	118

<210> 21342

<211> 90

<212> DNA

<213> Homo sapiens

<400> 21342

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aggcaggaga	attgtttgaa	cccaggaacc					90

<210> 21343

<211> 231

<212> DNA

<213> Homo sapiens

<400> 21343

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tgaaattttta	gcagagatag	ggtttcacca	tg	ttggccag	gctggctctg	aactcctgac	120	
ctcaagtgat	ctgccctcct	tgggctccca	aagt	gctggg	attacaggca	tgagccacca	180	
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<210> 21344

<211> 460

<212> DNA

<213> Homo sapiens

<400> 21344

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cccacaaata	ttctctgagc	acctaccttg	tgccagcgca	ttctgatgcc	atcagaaatt		180
tgcaaagtaa	tataactctt	cctattcaca	aatgaggggac	ccgtgcttgg	agatggctcag		240
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gctgcaaacc	tttggtttttt	tctactgagt	sacagtgtctc	ggtgtgatcc	tgactgttcc		360
caagaactgt	tttggtttttc	aagacatgag	agtacwyaga	gacagctaag	ccccatgtaa		420
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<210> 21345

<211> 389

037395 02400

<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 21350  
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ctgcag 186

<210> 21351  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 21351  
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ctggaaacca tcattctgag caaactatcg caaggacaaa aaaccaaaca ccacatgttc 120  
tcactcatag gtgagaattg aacaataaga acacttggac acaggaaggg gaacatcaca 180  
caccgggccc g 191

<210> 21352  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 21352  
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aatttttaaag ctttgattct ctttttacga agacgaaaat aaatctctct agtctgggcc 120  
tttttcgttt ccaggatta tgattaaaat taccactaac ttttagatag tccagc 176

<210> 21353  
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<212> DNA  
<213> Homo sapiens

<400> 21353  
gcagagkttk kacagcctgg acaacaagag cgaaactccg tctcaaaaaa aaaaa 55

<210> 21354  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 21354  
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gctgggtgtc ccggcactgc tgggtgactc tgggctcata gttgcgtcac tcccattctc 120  
acctcctcct tcccacggtc gccttcctc tgtgcctccc tgagtcctca catggccttc 180  
ttgtcaagat gccagtsatt gaatttagtg ccttctcaaa tccagtgtga cctcatcttg 240  
actattcaca tctgcaaaaa tcctgttttc aaacaaggtc acattctatg gttctgggtg 300  
gghca 305

<210> 21355  
<211> 89

<212> DNA

<213> Homo sapiens

<400> 21355

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gcaatggaaa aaaaaaaaaa mcaaaaaa	89

<210> 21356

<211> 302

<212> DNA

<213> Homo sapiens

<400> 21356

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ctcctaaagt cttccaaatc gatttacttc ttttctctt tctactgcac taccatcatc	180
agagacccta tctctcaact tgtgtttcta cagtaaccta cagactggct cattccagtt	240
cattttgctt actacacca aatttatttc attaaaaagc aaatattatc atattatcct	300
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<210> 21357

<211> 124

<212> DNA

<213> Homo sapiens

<400> 21357

ctttgtgcct tgggtatctt gactgaattt tagcccaata tatactctgc tggtttagag	60
taatgaaaac ctactacatt attcctaaca catttctaaa aagtaaaact attttgggga	120
ccca	124

<210> 21358

<211> 226

<212> DNA

<213> Homo sapiens

<400> 21358

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cttatgcatg acaaagattc tttaacaagt tacagaatga tggactgagc tatagcttcc	120
agaaaatatt ttttagttaa caagtgcagg aaatctttag gtccccattg aacagaagat	180
aatgtggata gttcaaccat atataagacc ttctcctccc acccac	226

<210> 21359

<211> 272

<212> DNA

<213> Homo sapiens

<400> 21359

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tgtagaggc tgtgggcctt gggcaggagg ggtgagtgtt ggcacatacc tcccgtctct	120
cccagccttc tctgactctg actttccctc ttgaaggcta ccggctctct gaccagttcc	180
acgacatcct cattcgaaag tttgacaggc agggacgggg gcagatcgcc ttcgacgact	240
tcatccaggg ctgcatcgct ctgcagaggc gc	272

<210> 21360

<211> 184  
<212> DNA  
<213> Homo sapiens

<400> 21360  
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gagcccagaa gaatgccttt gttgtccaac cccagtttga tgctctttgg gaatctgacg 180  
aata 184

<210> 21361  
<211> 312  
<212> DNA  
<213> Homo sapiens

<400> 21361  
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ctgccaaata acttcttctt tagcctgtaa ctatttcagt gcgcattatg attgtaatta 120  
gaaacaatgg aggcaggagc caggcctaca ttttatctat tattctatct gcttagtgca 180  
aaagtccttg actcctaadc caggattttt ttttctcaga gggttaaaaa tagttttctt 240  
tttaaagatt tgtggactgg gcagacaatt aatggtacag aatccccacg catattgtgg 300  
gaatgaaaaa aa 312

<210> 21362  
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<212> DNA  
<213> Homo sapiens

<400> 21362  
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aaaagataaa gtacaaatta acaacgtcaa gaatgaaagc ggaa 164

<210> 21363  
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<212> DNA  
<213> Homo sapiens

<400> 21363  
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<210> 21364  
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<400> 21364  
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gagatggggg ttcacatgtt tggccaggct ggtctcgaac tctgacctt gtgatccacc 180  
cgccgt 186

<210> 21365

<211> 168  
<212> DNA  
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<400> 21365  
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gagcttcagt ttaatgaaag attcataatg gttctttgta ttattataat acttggtggt 120  
ggggtgttct ttctgttttg ttttttactt taattttggt ttgatttt 168

<210> 21366  
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<212> DNA  
<213> Homo sapiens

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ccaaagtctc tagtgaatat ttcaacttts aatgtmaact aacaaataaa cctgaccacc 240  
aaggagattg tytgcccaga gttttaaagc acattgtcta caaatggmaa ttgacataat 300  
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<210> 21367  
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<212> DNA  
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taacattcta gttttactca ttttaggaag gctgtgaggc ttgtmtcctt taaagtttct 240  
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<210> 21368  
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<212> DNA  
<213> Homo sapiens

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aaaacaaaaa agaaacacct gaaatactgc tgcccactga taaccctgt taaccttttg 120  
ata 123

<210> 21369  
<211> 59  
<212> DNA  
<213> Homo sapiens

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<210> 21370  
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 <212> DNA  
 <213> Homo sapiens

<400> 21370  
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 cctggccaac atagtgaac cccgtctcta ctaawaatac aaaawttagc tgggcatggt 180  
 ggcgggctgc 190

<210> 21371  
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 <212> DNA  
 <213> Homo sapiens

<400> 21371  
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 gtcttcctat aaagtaattg tcatgccgac tacgt 155

<210> 21372  
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 <212> DNA  
 <213> Homo sapiens

<400> 21372  
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 ttkaaattgt gtgtattgaa gaktaggaaa aagata 96

<210> 21373  
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 <212> DNA  
 <213> Homo sapiens

<400> 21373  
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 tggagccaga acttaggttt cgttctaggc ttcttgttct 100

<210> 21374  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

<400> 21374  
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 aaggaatttg gcaactccca cccccct 87

<210> 21375  
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 <212> DNA  
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<400> 21375

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ttccttgtcc	tccaatgccc	tgaggctgtc	tggctaggcc	aagcaaccat	gagagcagtg	180
gggctaattgc	tcagagaccc	tgggctgcc				209

<210> 21376  
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 <213> Homo sapiens

<400> 21376						
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atgttttttag	tttgaaaaca	tttttatcac	tcccaaagga	gasctcataa	cccattagga	120
gtcactcgcc	attttccctt	tgccctagcc	tctagtaacc	actaacttgc	tttatggctc	180
tatggatttta	cttgttcttg	accatg				206

<210> 21377  
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 <212> DNA  
 <213> Homo sapiens

<400> 21377						
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cctggttttg	gggccactcg	gaccctctga	catcctggag	asttaaggca	gabtgggggt	240
cbkcctagct	caatgttggg	gacaggggtg	gtgccccag	gcsstggtg	atcaagccca	300
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<210> 21378  
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 <212> DNA  
 <213> Homo sapiens

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tggagaggac	ttgattaaac	aaggtataat	gtacttctct	ttcccatcca	cagatggatc	180
kgtctgtaga	aactctgttc	agcttcatgc	aggagcgcca	gaaaagatac	gccaaagtatg	240
ccgagcagat	ccagaaagtg	aacgagatgt	ccgccatcct	ccgccgcaa		289

<210> 21379  
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 <212> DNA  
 <213> Homo sapiens

<400> 21379						
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<210> 21380  
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 <212> DNA  
 <213> Homo sapiens

<400> 21380  
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 agaagactgc catccggctg cccaaaggca agcagaagcc tataaagacg gaatggaatt 180  
 cccgggtgtg ccttttcacc tacttccaag gggac 215

<210> 21381  
 <211> 168  
 <212> DNA  
 <213> Homo sapiens

<400> 21381  
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<210> 21382  
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 <212> DNA  
 <213> Homo sapiens

<400> 21382  
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 gtttcaaagt taacttatta gtataaattt tttaaaaaag ataggccagc ctgggcaaca 180  
 aagtgaagacc cctgtctcta caggaaaaaa aaaaa 215

<210> 21383  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 21383  
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 agtggtagt gtttggaagc ccttgaagac cggg 154

<210> 21384  
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 <212> DNA  
 <213> Homo sapiens

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<210> 21385  
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 <212> DNA  
 <213> Homo sapiens

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ca 122

<210> 21386  
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<212> DNA  
<213> Homo sapiens

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<210> 21387  
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<212> DNA  
<213> Homo sapiens

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tbattcattt attcgtccag c 141

<210> 21388  
<211> 234  
<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

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 gagctgaagg gaaaacattc tgactgtgtg gcagggtgat tttcttcctt atgaccactt 180  
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 aacccacat catttatagg cgcasgcccc ccagagagag cctcaacag gaaggcatgc 180  
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 <212> DNA  
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<210> 21395

<211> 433

<212> DNA

<213> Homo sapiens

<400> 21395

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aaaagtacac	tacaaagtaa	gaagtagcaa	gatctgttag	tgtcttttga	taaattgtaa	300
aatgtgtcac	ctgacttttc	ttccatatct	gtaaccatta	gatactgcta	gtttccttat	360
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<210> 21396

<211> 58

<212> DNA

<213> Homo sapiens

<400> 21396

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<210> 21397

<211> 88

<212> DNA

<213> Homo sapiens

<400> 21397

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<210> 21398

<211> 307

<212> DNA

<213> Homo sapiens

<400> 21398

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gatttcagag	gaacctgaag	acattgatgt	tgttaaccact	gcctccagct	agacagctgc	180
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<211> 119

<212> DNA

<213> Homo sapiens

<400> 21399

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<211> 252

<212> DNA

<213> Homo sapiens

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gaatgagaca	tgttttctgt	gcttctaagt	gttctgtccc	ttaggctgct	attgcttcat	180
gtttccatta	tggcaggttt	agagaatcct	taaaaagaaa	aattgacttg	cttgcctaaa	240
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<210> 21401

<211> 289

<212> DNA

<213> Homo sapiens

<400> 21401

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ctatgaytca	caggkttcag	tctgtccgat	accaacagga	ccctcttity	atttggtgtc	180
acaatagtat	actgcaggac	cctatgattg	ttaaatacgg	aactyagggg	gtgccagcyg	240
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<210> 21402

<211> 95

<212> DNA

<213> Homo sapiens

<400> 21402

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<210> 21403

<211> 170

<212> DNA

<213> Homo sapiens

<400> 21403

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<210> 21404

<211> 385

<212> DNA

<213> Homo sapiens

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aattttaccc	aggaaggact	cacattgggg	cgaatgaacc	aagtttcgcc	atgctggatg	180

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<210> 21405  
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aaatgagtga	atgattaaat	gaaataagcc	ccagcttgg	acccagagct	gtaatttccg	180
gttgtgggtcc	ctgtccccctg	cc				202

<210> 21406  
 <211> 163  
 <212> DNA  
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<210> 21407  
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<400> 21407						
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atcaactgga	agaaagggta	tcagtgatgg	aagatgaaat	gaatgaaatg	aagtgagaag	180
ggaagttag	agaaaaaaga	ataaaaagaa	atgaacaaag	cctccaagaa	atatgggact	240
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ccaagttaga	aaacactctg	caggatatta	tccaggagac	ttccccaatc	tagcaaggca	360
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<210> 21408  
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ccaaacccaa	aacacccac	agctgctaac	cgtgataaaa	cctaataatg	aacaccagag	180
tcatataaat	aagtttcccc	cttctggcgt	gttttcttta	aaccagcsaa	tccacaactc	240
ctgttagaag	accggaggat	aatacccata	taccttaata	aaggtgaact	cccacagctg	300
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ca						362



<210> 21409  
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cacataccca aactcaccta cacattcgta agctcctcac acttcaaggc tggggccacc 180  
cgtgcac 187

<210> 21410  
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<212> DNA  
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<210> 21411  
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cccgtctctg ctgaaaatgc aagaattggc ctggctcagc ctsntgagtg gctgggacta 240  
caggtgtgtg ccacatgcc tgtactttct tttttgcttt tttcagtga gataga 296

<210> 21413  
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<212> DNA  
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aaaattcagt tgtgtttctgt gagcdagcac tttttcctct gacccaa 287

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<211> 255  
<212> DNA  
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ggccgcaggg acacgaagga agagaaggag gaacccgaag agggctcgcc tagccggcca 180  
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gggaggaggg gctgt 255

<210> 21415  
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<212> DNA  
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<400> 21415  
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<210> 21416  
<211> 441  
<212> DNA  
<213> Homo sapiens

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<210> 21417  
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<210> 21418  
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<210> 21419  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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<210> 21421  
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<212> DNA  
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<210> 21422  
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<212> DNA  
<213> Homo sapiens

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ggtaagccta aagcattttg agtttatttg gcaagttatt cccatcacct gccattgaag 180  
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<210> 21423  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<210> 21425  
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<212> DNA  
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gggatatatg aaacaaacca tcctgagatt gcttttggga aaaagaaaga agcaagataa 180  
ccagggttgg gccaggcaga atcccc 206

<210> 21426  
<211> 117  
<212> DNA  
<213> Homo sapiens

<400> 21426  
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<210> 21427  
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<212> DNA  
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 <212> DNA  
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<210> 21430  
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 <212> DNA  
 <213> Homo sapiens

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cagaagctgc	aaggaaaagt	cacccgaaat	taaacgagca	aggcaggcga	gagcatcgga	180
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<210> 21431  
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 <212> DNA  
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<400> 21431						
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taacattgta	ttaatccatt	ttcatgctgc	tatgaagaca	tccccttgac	tgggtaattt	180
ataaagaaaa	gttgttta	tgactcacag	ttcagcatgg	ctggggaggc	ctcaggaaac	240
ttaacagtca	tggcagaaga	ggaagcaaca	tgtccttttt	cccatgacag	catcatggag	300
atgtgcctaaa	caaatgggag	aacagcccg				329

<210> 21432  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 21432  
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ctcccactca aactccattt ctccacctag gaggagaact tgaccgctag atgtggtttg 120  
tgttcagaat aatcaggggc gggttacaag ctcccccatc acgcacntag tgtccacaag 180  
tgtgcacatc tccactaagt tccccagctg caaggaagca gcttgtattt gcagtaaaaag 240  
ctgtagttag cagtgtcagc tctttttgcc agcctaaagc ttgtgagaga cactcaactc 300  
aattccacct gagtctgatg aatttaatgg aagaaaactg aattcccagg aagtgtggtg 360  
gtctaacaaa ttccatcaat aggaagcatt ttcttgagtb ctgtacttca aatatgctat 420  
ggaagcagcc acattccttg t 441

<210> 21433  
<211> 92  
<212> DNA  
<213> Homo sapiens

<400> 21433  
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ggagtcattc gtcctaaaga gaaactggac gc 92

<210> 21434  
<211> 152  
<212> DNA  
<213> Homo sapiens

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taacttaatt ctttgtctca gtagccacac ca 152

<210> 21435  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 21435  
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gttgggagag gctactccca cccctgggtg accccagt 98

<210> 21436  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 21436  
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<210> 21437

<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 21437  
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ggaagaaata gacgtattgt tttaaataaa agcagtaatt taaatcaagc taatcttttt 180  
ggccagaaat acctgttttg aaagattttt ttttattaac acttcatctg agaaatggaa 240  
agcttattta aaaaaaaaaa aa 262

<210> 21438  
<211> 586  
<212> DNA  
<213> Homo sapiens

<400> 21438  
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ggttccttcc tacctgtttt taggtttgca gatgaataat gtgtggattt ttggcagaca 180  
cactgctgaa aattttttcac tttgttgggt gagcatctca ccctatctcc atttgtctcc 240  
ctgctctgag ttctagagaa gaccaccaat aagcaagtga aattcttttg ccaagtcact 300  
gatatcagaa ttccccagag gcaccaagaa ctttgatttc cagaaattgt ttaggcacag 360  
ccactcattc aaccttatat tttgtatctc agagttaagg ttgcatttgg gctacctagc 420  
ctgtagactc tattttaaga caagcaggca tttaatagtt gttggttggg tgattagagc 480  
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<210> 21439  
<211> 349  
<212> DNA  
<213> Homo sapiens

<400> 21439  
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tcattggttt ggcaaagggg ttgaggtctg ttgctgcctg gactccctgt gaatgtgtgt 180  
ctccacatg ttagtagtgc ccggtactca atcacacat ctttgtgtca ctccagtgtc 240  
catttctaag ctgccccttt gttgatttca aatccgccat gggctgactc gaaattctca 300  
cgccttgggt ctttattctc ccttcttttg tctggtcctg tccctcctg 349

<210> 21440  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 21440  
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tcccctaggg aaaactgcgc tgcactgggc tgctgccgtg aacaacgccc gagccgcccg 180  
ctcgtctctc caggccggag ggn 203

<210> 21441  
<211> 217

<212> DNA

<213> Homo sapiens

<400> 21441

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cacaaagata	ttaagtaact	tgccaaagga	ctacatggct	ggtaagtga	agaaacaagg	180
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<210> 21442

<211> 319

<212> DNA

<213> Homo sapiens

<400> 21442

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catctggacc	caaaaccctg	ctctctcccc	acaaccccat	taatataaac	gaactgtctg	120
tgcttctatg	caaagccatc	tacttccctt	gggccctgta	ccccatcctt	tctctattat	180
tcaggacatc	actctagcaa	ttgtcccttt	tgtttctcca	tcatacaatt	ttccttctat	240
ackacataat	tccctctaaa	taataacatt	tttatttctc	acaattcaaa	aacaaaacaa	300
aaaatgatca	catgacccc					319

<210> 21443

<211> 461

<212> DNA

<213> Homo sapiens

<400> 21443

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tgccatgtg	atgttgcttt	acaaataaga	atatttctgt	aaatgtcct	accttctgtc	180
agtaatctct	gtccatcatt	agttaaagt	ttatataatc	cttcaatttt	aaattataaa	240
aattattgaa	ctaaaatttt	agcaaaaatg	aaatggaata	tgccctcttct	tttctgaaca	300
acgctaaata	tgtctctatt	tatcttttaa	tatgaattat	aaaacctacc	agagagagtt	360
gctctaagga	ttaaagtaga	ttctgtgtgt	ggggtgtgtg	tggtgtgtgt	gtgtgtgtgt	420
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<210> 21444

<211> 205

<212> DNA

<213> Homo sapiens

<400> 21444

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agaactcttt	tagatgaaat	cattctactc	aaatgtacct	taattttttt	ttttyccctg	120
agtaaaagca	agaaatttct	yccttkggaa	aaaatatata	tattaaaaaa	ccacttttag	180
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<210> 21445

<211> 120

<212> DNA

<213> Homo sapiens

<400> 21445





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gctaacacct	ttgcattttt	caagtctcag	tttaaactgt	acttcttcca	gaaggcactc		240
cctgcaccca							250

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 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<400> 21451							
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agaaggacca	gaaatcctgc	gtcccaagcc	aagtctgtgt	gggtcagtgt	gggtc		115

<210> 21452  
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 <212> DNA  
 <213> Homo sapiens

<400> 21452							
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gcgggtgatt	ggcttttttt	ttt					143

<210> 21453  
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 <212> DNA  
 <213> Homo sapiens

<400> 21453							
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aaatgggtcaa	taagcacatg	aaaatatgct	caacatcatt	aactagcaat	gcatataaat		180
acaaataaaa	tcatgggtgag	atacgacttc	ataccacta	ggatgggtat	actggaaaag		240
acagataata	accagcattg	ggaagaatgt	ggagctgtta	gaaccctcat	gcactgccag		300
tgggaatgta	aaatgggtgag	ccacattgga	agagtttggg	agtcctaaga	taagaagtta		360
aacata							366

<210> 21454  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 21454							
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ccagttttcc	cagcacaatt	tattaaatag	gtaatcctct	ccccatccc			109

<210> 21455  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

<400> 21455							
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gtaaagcaat	taacaaagca	tatgaaat	ctatcctcgt	gaaacttatg	ttttggtggg	120
acaagataga	caataaacag	aaaaatagat	aatttggcaa	tgaaaatcag	tgctacaaag	180
aaaaataaag	caaattcagg	ggtgatagtg	ctgagtgtgt	gtgggtgggg	tagtgtgggt	240
gtggatgaag	ggcgtgtgtg	catgtgtgty	caattttaa	taggactgtc	agggaaaggta	300
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<210> 21456  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 21456						
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<210> 21457  
 <211> 369  
 <212> DNA  
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<400> 21457						
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ccactctctg	ctctgtcctc	attgctgttc	cttgaaccta	ctaacctctt	ttctgtctca	240
gggactttga	ccttgaggtc	caactgtctg	gattgctttt	cgcaccagga	atcagcatag	300
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acaacacca						369

<210> 21458  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

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gggagtgccc	ttgagcccct	tttccttagc	ctgcagggtgc	ttcaatggat	catggggcaa	180
agcaggagat	gattgtgtgg	ggctcttcct	gctgtcacct	cccatcatcc	cactctctca	240
ccaggatcaa	gggtacagta	accca				265

<210> 21459  
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 <212> DNA  
 <213> Homo sapiens

<400> 21459						
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gagggaatat	aagagcattt	atgttctgaa	ggaattttta	acctaaccaa	agaagatagt	120
agataacttg	tgtgcatata	agctagaaca	gtataagggg	ccgggcatgg	tggcttacgc	180
ctgtaatccc	aggacttttg	gaggccaagg	cgggcagatc	acctgtcagg	agtttgggac	240
cagcctggcc	aacatggtga	aaccccgttt	ctacaaaaaa	tacaaaaatt	agccgggcgt	300
ggtggcgtgt	gccactgtag	tcccagctat	tcagaaggct	gaggcaggag	aatcacttga	360

acccgggagg tggargttnc agtwasctga gatcacgcta ctgcattcct gcttggggcga 420  
cagagtwaga ctctgcctca 440

<210> 21460  
<211> 254  
<212> DNA  
<213> Homo sapiens

<400> 21460  
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taggtttttc attatttttg tacacttttg gtcttttcaa tatgttcata tagcacaagt 240  
ttataattgc attc 254

<210> 21461  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 21461  
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caggttgaat aggctgagga ggacgagggg gaggagaggt tggctcttgca gtctcaaggg 120  
tg 122

<210> 21462  
<211> 330  
<212> DNA  
<213> Homo sapiens

<400> 21462  
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aaactgcact gtgcattcta cgtacacatc tttgtatatt catgctagtg ttgctctgca 300  
ataaaatggt agaaatgggc tcctggtaac 330

<210> 21463  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 21463  
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cactgcactc tagcctgggc aacagagtaa gacaaaaaaa tatatatata ttgaaaatca 120  
aargarggca aaattttgac aaggaag 147

<210> 21464  
<211> 451  
<212> DNA  
<213> Homo sapiens

<400> 21464

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gatacccytt	taaaaatacc	tctttaatgt	attaccgtta	ataaagtttt	gaaacaagca	180
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gtatcagcat	ttatccaatt	attcattctc	a			451

<210> 21465  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 21465						
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ttctcttttg	cttgagagaat	tacgggaaaag	gggtagaaga	gctcaagaaa	gacaccagaa	180
acattttttac	tgttcccacc	ctgaagatgt	agggtgaggg	gttggtggctt	tagaaatatt	240
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ggaagatatc	aggctgagca	ggaaccacat	tccagtaacc	ttgaacaggg	cggagacagg	360
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atactcccct	cctc					434

<210> 21466  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<400> 21466						
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tgtaagctga	atttgtcaaa	gtagtaaggc	ttacataggt	cttgaagaaa	gcattatagt	120
ttagattatg	gaaggattaa	ggaggctatt	ttatgaagct	ggaaaggtgt	gaaaaaagca	180
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<210> 21467  
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 <212> DNA  
 <213> Homo sapiens

<400> 21467						
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gattgtgttt	ttaccaacat	atgaaactgt	aattatccat	gagcaccgta	ctgccttttg	180
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aagacatttt	tagga					375

<210> 21468  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 21468  
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 cgggcagatc atggggggcca gcggtttctc ggaaagtagc ctcttctgca agtggggcat 300  
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<210> 21469  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 21469  
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 arggwggcar aattttgaca aggaag 146

<210> 21470  
 <211> 141  
 <212> DNA  
 <213> Homo sapiens

<400> 21470  
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 tttttgtccc tggagagtgc agttgagaac tgacaggtta tatgaagttg aaaagaaatt 120  
 taatgagttg taaaaaccag t 141

<210> 21471  
 <211> 68  
 <212> DNA  
 <213> Homo sapiens

<400> 21471  
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<210> 21472  
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 <212> DNA  
 <213> Homo sapiens

<400> 21472  
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 aaggatgaag atgtgtaaaa gataccttaa ctccaccaag aggggctgct gagttggttg 180  
 tgtaatggag atttatttag tcattgtcct tgagtttctg tgtaacctgg gtagaaagag 240  
 agctctgaga acacaaaaag atgggggtgga gtggrnbhta agagctgaat ggttgtgaaa 300  
 aataaaatgc attaaaaagg cattaaagaa gacatagtta tcaactgaaag gctata 356

<210> 21473  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<400> 21473  
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<210> 21474  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 21474  
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 atttgaatat tcagccaatg acacatacac agatat 156

<210> 21475  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<400> 21475  
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 tctgtgcca c 191

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 <212> DNA  
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<400> 21477  
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 ggtctatctt tgggttctct attctgttcc attgatcaat taatgtatac ttacacaaat 180  
 gttacactgt cctgggttacc attttttttt ctttgagaca gagtctccct ctgtcaccca 240  
 ggctggagtg tagtagcgca gtgttggtc actgcaacct ccgccttctg ggttcaagcg 300  
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 <212> DNA  
 <213> Homo sapiens

<400> 21478  
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<212> DNA  
<213> Homo sapiens

<400> 21479  
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agggtattag ctgggtctcat ccctaccatg ccggggaaca gcatttggat caccgcagta 180  
gcagcccaag gagacacaca agtagctgct ttctcggact gtattatttt ctgaaacaca 240  
tccannagga gctggacaag gagctggggg agagcgaggg cctcagtgcac gacgaggaga 300  
ccatctccac nanmgtgtgt ccggcgggcg gtcc 334

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<212> DNA  
<213> Homo sapiens

<400> 21480  
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gaaaaagknt tattaatgac cgacacttat tagactcagt gacaatccaa gcaagcaawt 180  
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atccaggagg ccaaat 256

<210> 21481  
<211> 413  
<212> DNA  
<213> Homo sapiens

<400> 21481  
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tcttagaaga cagaggcttc tgcttccctc tcccgtgacc ccaacaatcc cttcccacag 180  
gcttggcaca gaagttcagt gcttttctta cgtctcatgt tgtcagaaat aggttctcac 240  
cataatagac agtggtgaaa tttccattgt tcctactgag aagtccattt ttaaggcatc 300  
agagggtgaat gtgtattnrg ggaknggggg rnggcattat acaacaaagc tgtattttaa 360  
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<211> 232  
<212> DNA  
<213> Homo sapiens

<400> 21482  
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acattkkgag gaccccgat ctctcccgcc tccttcgggt cgctctccgg gctttctcag 180  
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<212> DNA  
<213> Homo sapiens

<400> 21483  
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accctctccc ggcccctgtc gccattgtcg gtcccaacgg caggcagcag ccccttggtat 180  
agtccctcga atttctcggc tgccctctgcc ctaaatttcc cctttgcccg gaggtgagtg 240  
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<212> DNA  
<213> Homo sapiens

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acaaggctgt accccaaatg tcagctctag tccactcttg attgtcttaa ttaataaaaa 180  
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cagttctgga ggctgggaag tccargtcag ggggtgcac tggtgagaac cttcttggtg 480  
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<212> DNA  
<213> Homo sapiens

<400> 21485  
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ctggaggccc ccacactatc accactgaat gtct 94

<210> 21486  
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<212> DNA  
<213> Homo sapiens

<400> 21486  
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<210> 21487  
<211> 385  
<212> DNA

<213> Homo sapiens

<400> 21487

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aatgtgacct	ttccaagaca	taaatttaat	cgcaccatgg	cagagccatt	taagaagctt	180
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<210> 21488

<211> 84

<212> DNA

<213> Homo sapiens

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<210> 21489

<211> 190

<212> DNA

<213> Homo sapiens

<400> 21489

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ggctttgaga	accaaggctt	gaaggccggc	aggagcatcc	agggggaagc	ttggcttcag	180
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<210> 21490

<211> 468

<212> DNA

<213> Homo sapiens

<400> 21490

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tcaggaccat	gctgtaggac	acacagcctc	atgctgctgag	aaagcaaagg	aagtgtctggg	180
tgtaaagttt	gcatgattcc	atgaagcttt	agttttcctt	tttttgtttt	aaaagaaagg	240
gtttttatatg	ttctattgta	aaatatggaa	annaaacagg	gacttcagaa	agccgcacag	300
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aaaagatttta	atggcctgtg	aaacacgtgg	attctgtttg	actggatttg	taataaatga	420
cgctgaactt	cctgcttcca	agcagctcam	cctgatgtctg	aactgaca		468

<210> 21491

<211> 127

<212> DNA

<213> Homo sapiens

<400> 21491

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gtccccct 127

<210> 21492

<211> 173

<212> DNA

<213> Homo sapiens

<400> 21492

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tcggctctcg	gaagaaaaac	caacagcatc	tccagctctc	gcgcggaatt	gtctcttcaa	120
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<210> 21493

<211> 230

<212> DNA

<213> Homo sapiens

<400> 21493

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agaggagcaa	atgagtgggg	gaaagtgtga	gaggaagagt	tggagaaaag	tcgggggaaa	180
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<210> 21494

<211> 134

<212> DNA

<213> Homo sapiens

<400> 21494

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<210> 21495

<211> 267

<212> DNA

<213> Homo sapiens

<400> 21495

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tagtcaactga	gcacctgcgg	tccatttcct	cttaaaagtt	ttgttttgat	ttgtttccat	180
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<210> 21496

<211> 208

<212> DNA

<213> Homo sapiens

<400> 21496

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aggcttccac	ataaatatgc	acaaattacc	tgataattaa	aaaggggaaa	tagtaactat	180

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208

<210> 21497

<211> 468

<212> DNA

<213> Homo sapiens

<400> 21497

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ttttgggggc	catgtagcat	gggccacgta	ggaggctcct	gacttgccag	gggccagacc	180
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<211> 343

<212> DNA

<213> Homo sapiens

<400> 21498

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aatgtggcat	ttcataaaaa	ttgcatgtga	cacatggaag	cccctcatta	gcagggtggc	180
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<210> 21499

<211> 255

<212> DNA

<213> Homo sapiens

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ctgagtgtta	caggtctcta	ctattacaaa	aggtgaaata	aatagagatg	tgaaattgga	180
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**SECRET**

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<210> 21506  
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<212> DNA  
<213> Homo sapiens

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cgggagacag agggaaaagg gcgtaag 207





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gaaaaaagac	atgattataa	gctaaaatat	gccttcgggt	ttgtgtgtta	caaattgagg	240
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 tccaccacc ttagactccc aaagtgtctg gattacaggc atgagccacc ayaccagcc 240  
 acaaatagaa attttccaat ttccattatg aatgagaaaa atgaataaaa caagaattat 300  
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 <211> 249  
 <212> DNA  
 <213> Homo sapiens

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 taaaaaaact agaagaaaat ttacaaaata tgattgtstt taagtaatgg gatttggaag 120  
 gattttttga tgtcttcttt cagcttttct atgcttccta aaattcctat aaaaragcac 180  
 ttgtttcttt ttattgggtg gggcgaagta aatttatctc aatgagttga tgcatttgaa 240  
 agcgctctc 249

<210> 21527  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<400> 21527  
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 acggaggctg cagcatctgt gtcgttctac tgagcacgct tctctgctc gtcctgact 120  
 cagcactttg ttcactggct cagcagttat gtttacacat catttttatg ttctgcttt 180  
 gtaattcatg ttgagatgg gaggccac 208

<210> 21528  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 21528  
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 tacatgctgg ttgtatatga agaataattac atatctgaaa ctttgaggtc caaacacaaa 120  
 tagaatctag ttcattcctg tgtttaaagt gatgtaatag acagataccg gaaatataca 180  
 aggagtttgt gattagtctt gtgagcatga ggtttaaaaa gattgtaaaa gtggcaatag 240  
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<210> 21529

<211> 383  
<212> DNA  
<213> Homo sapiens

<400> 21529  
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gcgctggcca aggcgtgttg caaacaggaa cccgaggtgt tcacttcact gttgaaggaa 120  
cgagagggca tctgctaaag tttcagattc catttctgct cagtatccag tagtggakta 180  
tgaatttgat gcagtgggtg taggcgctgg aggggccggc tttgcgagct gcatttggcc 240  
tttccgaggc agagtttgat acagcatgtg ttaccaagct gtttcctacc aggtcacaca 300  
ctgttgacgc gcaggtagaa aattatggca tgccgtttag cagaactgaa gatgggaaga 360  
tttatcagcg tgcatttggc gga 383

<210> 21530  
<211> 269  
<212> DNA  
<213> Homo sapiens

<400> 21530  
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tgtattctac ctactactga acagagtttt aatttcataa attacttga atgtcatata 120  
tttyyataat ttctacgatt tagamagttc taattaawta caagydatct cctctttgca 180  
tatataaaca aaataattct cagagtagaa atcgaagtga acattctact gtgtctgtgg 240  
ctgcagttgg ggggtgttgtt gaggataac 269

<210> 21531  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 21531  
aactctaact ttctatacca tagtcacagt attctctcaa tgattccaac taaaacaacc 60  
ctgagtgtcc atctgtctca ttctatttag aactttcatc aaaccaagaa gatgccgtga 120  
ttgtggagma accagaagtg attmmattaa cagagga 157

<210> 21532  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 21532  
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tggaatagaa tggaatggaa tggagtggac tagaatgtaa tggaatggaa tggatttgaa 180  
aggaatagaa gggaaggaa ttgaaaggaa tggagtggaa tggaatggaa tcgaatgaga 240  
tgaacacgaa agcaatggaa tggactcgaa cggagggaaa ggaatggact cgaatggacc 300  
ggacat 306

<210> 21533  
<211> 104  
<212> DNA  
<213> Homo sapiens

<400> 21533

gagactgtct gaaagctctg cgatccgaat gtgtgttata tttcactgaa aagaggagag 60  
agcgagagtg catctvcctc tctcccagga gtttgagggg gggg 104

<210> 21534  
<211> 348  
<212> DNA  
<213> Homo sapiens

<400> 21534  
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tgatgaacag taccaggaag aggcagaaga ggaggtagta aggattgaat cccagagact 120  
gatcagattg gtctgtcaca cacactaacc ttaaacaac ctcagcagta ttgactttga 180  
catgccttcc acagaaatgt tcagaaaaat ttaagcagga taagaaaggg tggtttaaag 240  
caaaaatgga tcatggcact ggagacattt ggttagaaga taacaaaagc agggtaatag 300  
aatccatmwc tttggttctc acctgaaatt ttgaattaag aaggcatg 348

<210> 21535  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 21535  
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gtggttgaca ctaatttaca gaataacctt taataaaatt ttatttacag attttvctat 120  
ttgtattacc tagattaaac ttaaaacaag gggcgga 157

<210> 21536  
<211> 129  
<212> DNA  
<213> Homo sapiens

<400> 21536  
caactacaca tggagttttt aatattttta gtgagttgtg tgtactctga tgacaagaaa 60  
aattcaaaat gccatgacaa attggacaga caggccagta tatagtttgg gaccagaaaag 120  
gacatgcct 129

<210> 21537  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 21537  
tttcagaaa tttctacagg atgtgagaat gtatgatgat gaaaaaatca tcaaactcct 60  
ccttctgaca tctattactt aattggctgt caagtttaga agaaaagaac tttaatatata 120  
tatgaagaaa agattttaca aactgtaatc aattgtttag gagtct 166

<210> 21538  
<211> 109  
<212> DNA  
<213> Homo sapiens

<400> 21538  
tgtctgggtg ggggtgggtcc cctttttttg tgtgtggtat tttgctagag taaggtagtt 60  
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<210> 21539

<211> 173

<212> DNA

<213> Homo sapiens

<400> 21539

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tcccaaagtg ctgggattac aggcgtgagc caccgcgcct ggccttgatc ttttcttttt	120
atactttcag taaactgatc caagncttaa ctgttgtacc tgtvtgatga agc	173

<210> 21540

<211> 202

<212> DNA

<213> Homo sapiens

<400> 21540

aattccatag ttttgtaaac cctgtttttt gtttgtttgt agttgttgct gtttttgaga	60
cagagtctcg ctctgtcgcc taggctggag tgcagtgggt caatctcggc tcaactgcaga	120
ctctgcctcc cgggttcaaa ctgttctcct gcctcagcct cccaagtagg tgggactaca	180
ggcgccacc accacaccg cc	202

<210> 21541

<211> 126

<212> DNA

<213> Homo sapiens

<400> 21541

aattttatatt atttatttat ttatttatatt atttatttat ttatktkggt gagatggaga	60
tttgctcttg ttgccaggc tggagtgcag tggcatgatc tcggctcacc gcatcttccg	120
cctctc	126

<210> 21542

<211> 362

<212> DNA

<213> Homo sapiens

<400> 21542

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tatttttaac atacttcaca tacttgctaa acatgctatt tattatatcc aaaaacaatg	120
aatgaanagc atgacatctt actatcacca aaaaataata tttagatata tttttggggg	180
actcaatgat ggaaatggcc acagtagcaa cattggagtt cgattttgag aattaaaatg	240
actatgcacc cmacatgtgc tatttaaaaa twaanngtgg ggagcagata tatcttccca	300
caatataatt atawtcymtg tgttatttat cacatcttaa cagaaatatt ttgggggag	360
ca	362

<210> 21543

<211> 421

<212> DNA

<213> Homo sapiens

<400> 21543

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ctgtkgcaga gagtgtgtcc tcctctccc tttccagcag atgcttgga accttcagaa	120

gtvttgggga	ttttctccca	rcaacgtagr	ccatgccacc	acgagtgaat	mcttaacgwr	180
gaccagcacg	ggcacctcag	atgccaggac	cggcgtgatm	ctgcaggacg	ctggcatcgg	240
attcatcctg	gtgatagacc	ggcgacggga	caaatggacc	tccgtgaagg	cgtacgtvct	300
gcgcacgca	aatbagaggc	cccatatctg	ctccgatgcc	cacaaccttc	atcgttttgg	360
wrcaagcctg	tmcctgagcc	gtgggttctca	tcgaagtctt	taggatgaag	catctccttg	420
c						421

<210> 21544  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 21544	
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ataagaatag	tatttcctgc
tggcgtgatt	gtgtgtgtgt
gaatattttg	gattagtttt
caaaacattt	tacatttgat
gagacccaaa	a
	60
	111

<210> 21545  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<400> 21545	
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aaatgtgagt	cctccactt
tagcttttcc	aagattgttc
	60
tggmtatttt	ggatccctta
aaattccata	tgaatattag
aatcaacttg	tcaattccta
	120
caaagaagtc	agttgaatca
atttcatagg	gattcattga
atctgtagat	caatttgggg
	180
agcgcctgcc	tcttaaaaagt
attaaatttc	tgatttatga
acatgagatg	attttctatt
	240
aatttagatc	ttccttaatt
tctttcaaca	acattttgga
gatttcacag	tataaatttg
	300
gcacatcttt	tgtkaaattt
atttctaagc	attttgttct
tttttgtgtc	atggggttat
	360
tttcttaatt	gttaggttat
taattccaag	tgtatagaaa
tatgattgat	ttyygtatat
	420
tggtcttata	tcttgccacc
tc	
	442

<210> 21546  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<400> 21546	
aaaattaaat	aacaccacgg
gagaggagag	agggaggggg
aggagggagg	aagggacaag
	60
agagaagaga	gactgaaaca
gggagaagag	gcaggagagg
aggaggtggg	gagagcacga
	120
agctggaggg	cgacactgag
ggagggcggg	aggaggtgaa
gaaggagaga	ggag
	174

<210> 21547  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<400> 21547	
acaccgcagc	cggacgggaa
cgatgccgcc	gtgtttgggt
tgagagcttc	acagtggagt
	60
gtggcccca	cggccttggt
ccccgcgat	gccgtagaac
tattgtcgag	tgatgcgatg
	120
aaagaatata	acagggctcg
agtctacctg	gatgaaaact
acaaatccca	ggagcacttc
	180
acggcactag	gaagctttta
ttttcttcat	gagtccttaa
aaaacatcta	ccagta
	236

<210> 21548  
 <211> 478

<212> DNA  
<213> Homo sapiens

<400> 21548  
acttacggta aaggatatc tagagttgaa tcgtgggata gaatcgactg aaaaggtagg 60  
tggaggtaaa tgaggccaag gccatctgcc cttccttttc cagctgcctg tagtgatggg 120  
acccatgaat caaaaacagt acattatcat ttaccagaaa ggtgaaaaat gccttgctgg 180  
aggttaaaag aagtacaatc aactatattt ctaaattggct acagattttg agacagccat 240  
gaaaaagtca caaacatgtc tcatgattgg gattttcaaa ttacttttaa agtgggtggaa 300  
aattaaaaga aaatgttcaa ttttagatga aagaatggaa aaggtcattt ctctgtggga 360  
tttaatagga agtcttatac gtgctttctc tggcacctgt gaagactggg gaagattagt 420  
tatagcttca aaacacttga tccgttttat ttgcagtaca gatattatga gggattca 478

<210> 21549  
<211> 386  
<212> DNA  
<213> Homo sapiens

<400> 21549  
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cttcagttcg attccattcc attcgtttcg attcctttcc attccaaccc attccattcc 120  
attctattcc tttcctttcc gtttcattag attccattgc attcgattcc attcaattca 180  
attccgtgct attcaatttg attcatttcc atttaattcc attccattgg attccattcc 240  
gtacgattcc attccttttg aatccattcc attggagtcc atdvacttcc agaacattcc 300  
attccagtcg aatccattcg agtacattcc attaaagtcc attacattct aatacattcc 360  
attccattgc attccattcc atccct 386

<210> 21550  
<211> 433  
<212> DNA  
<213> Homo sapiens

<400> 21550  
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cagctgctcc acattttagt cgaacacttt gactccaaag agaaggagga agacaaagac 120  
aagaaggaaa agaaagacaa ggacaagaag gaagcccctg ctgacatggg agcacatcag 180  
ggagtggctg ttctggggat tgcccttatt gctatggggg aggagattgg tgcagagatg 240  
gcattacgaa cttttggcca cttgggtgagt atagcatgaa gaaaattgga atatactggt 300  
tttgatggcc tggggttccc caggggaagat ttttctgatg ggTTTTTctg gtggagagct 360  
ggtctttttg ctgtgccttt tcttwctttt tttcttttct tttttgaagc ggagttttgc 420  
tctagagtgc aat 433

<210> 21551  
<211> 288  
<212> DNA  
<213> Homo sapiens

<400> 21551  
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atggaacgat agaggaagag taggcttcct gaatgaggaa agcaagctaa catggtaggc 120  
caggcacagt ggctcatgcc tgtaattcca gcactttggg aggccaagat ggtaggatcg 180  
sttgagccca ggagttcaag accagcctgg gcaacgtagt rngaccctct ctctaagggg 240  
aaaaaaaaatg gtgaagaggg agaaaagaacc aaaagtaaat accatgcc 288

<210> 21552  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<400> 21552  
 aacatagact gtgctcatgt cagggacttg cagtgtgaaa gacctcatgg ggacttttga 60  
 agaaccatta cctgatacctc atgagagata tacattttaag tgaatactac agaaaaaaaa 120  
 aagcactgga agccagccat ggatagcaaa gataaagctt cataagagga gaaactarga 180  
 aaatattatt ttkgatttgc tacatrgaca attatacctc tgtgaacaaa gacagtttat 240  
 tycttccttc ccaagaccgg 260

<210> 21553  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 21553  
 ggtgaaaagc tcggatctgt gtttggggaa ggccaggctt gcgctcctcg ccgggttccg 60  
 cgaagggttaa ccttggtcga cttggctcgc gagcaaaggg cagcgtctga gctcccggcg 120  
 ttccaggagt ggctctcttt gtaggagcac ctgaaatgca gcgtctggtg cactaagccg 180  
 tagc 184

<210> 21554  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<400> 21554  
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 agccccataa attagttagt tctcactcta ttagctacct gcaagagctg gttgttgaaa 180  
 ggagcctggc accctcccg tctctctggc tccctctctt accatgtgat acaccagctt 240  
 cccttcachk tccaccatga gtggaaactt cctgcagtcc a 281

<210> 21555  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<400> 21555  
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 gaggtgggtg gatcgcgggg tcagagggtc gagaccggcc tggctaagtt ggtgaaaccc 120  
 catctctact aaaaatgcag aagttagcgg ggtgcggtgg cgggcgcttg tagtcccagc 180  
 t 181

<210> 21556  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 21556  
 cctatattgc tcattatgaa attaacttat gacaaatctt tgttcatttt acatttttct 60  
 aaagactggt agcttgcatc catttggtt gaagtttcta tagactaggc cacagttatt 120





<400> 21560  
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 acactaagct gaagtttaac cacatactta ctcagatggt tccatgtggt tattcattta 180  
 acaaatactt attgtgtacc tagtgcatgc taggttctgg aaatgcaaca gcaaac 236

<210> 21561  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400> 21561  
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 tattgacatg ctataatctt agagctttgt acctttgcat gggaaccctc aaggtggagg 180  
 agaaaggatc acaaagcatg gtgaggggag ctatgagatg acctatgtcc tttctatggt 240  
 caacatgtga ccgaagctat a 261

<210> 21562  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 21562  
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 atgtctgaga ctagtgaact tttattcagt tcaagtttct gttgaggccc aacaggcaaa 120  
 gctctgttct agtgactctg agggaaactt ggtgatagta gccagtaccg gctctgaggg 180  
 gcttcaagag gagtctgctc ctaatagaac ctgtgctatc tataagtgc agcatcaaga 240  
 gcaggagta ggggccgtgc atggtggctc actcctgtaa tcccagccct ttggtaggct 300  
 gaggcgggca t 311

<210> 21563  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 21563  
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 tgctggtaat actttggaga aacgataaat cctcaaggac ttgcataagg acataaagcg 120  
 gattttctga ttgtgcagtt aatgtttatt agcctaactc gattattttg agacttaaca 180  
 catcaggaca accttcgtta tttcaaaata ttgtccctct gggaatataat gcactttttg 240  
 tttataadgt ttctcttaaa tatttttgtc atttttgtca tgtcacggaa cctaatttcc 300  
 taaatttttg taattctaag atgaagtctt gaaagttcac tggga 345

<210> 21564  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<400> 21564  
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 gacacaaata aatgaaaaga tctcatgttc ataggtaaga agaattacta ttgtaaaaat 120  
 gccatgcta tccaaagtga tctatagatt cagtgaatc cctatccaaa ttccaatggt 180

atctttcaca gaattagaac aaacaaccct aaaattttaca tggagccaca gaagaccctg 240  
aatggccaaa acaaccttga gcaagaaata caaagccaga ggccttggac atcttgattt 300  
caaaatatgc tacaaagcta tagtaaccaa aacagcacag tatt 344

<210> 21565  
<211> 109  
<212> DNA  
<213> Homo sapiens

<400> 21565  
gagctcacct acaaggtgcc caccgggcac agcatgagcc agatcccccc cgtcctcacc 60  
cctttaaggc ttgacttcaa tttcgggggc gcaccattca aggcccact 109

<210> 21566  
<211> 224  
<212> DNA  
<213> Homo sapiens

<400> 21566  
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gcttttatta tgattgattc cttctgaagc agtatactgt gcagatgctt tattcatgag 120  
ttgttatttc tgcaaaaact ctgtgggttc ctatttcatt ttcctcagct gaatatgcca 180  
tgattttttt ttgtttgtgt taaatttata cttatacagg caaa 224

<210> 21567  
<211> 202  
<212> DNA  
<213> Homo sapiens

<400> 21567  
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ttggggaatt acttgtgttc tagataaaaag tgtcatttaa gaatttatta tggaaaattt 120  
caaacaatca agagagtgga tagaatgaac tgacttgtac cttacttata ttcaataatt 180  
atcaatatatt tgcccatctt gc 202

<210> 21568  
<211> 153  
<212> DNA  
<213> Homo sapiens

<400> 21568  
tcaccagggc tggaatgcag tggcatgata ttggctcact gcaacctccg cctcccgagt 60  
tcaagagatt cttctgcctc agcctcccaa gtagctggga cttaaagggtc gtgccaccac 120  
gcctggctaa tttttgtatt tttagtaads aca 153

<210> 21569  
<211> 197  
<212> DNA  
<213> Homo sapiens

<400> 21569  
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ttcctgtgta cacctgttca tagtttgtaa ttgaaacaat gtatactgta actttttttt 120  
caaaaagaat ttttagtgat tatttctctg tcagcatgga gctgatctat taggaaatca 180

197

<213> Homo sapiens

ggatgtgagg	gcatctggc	tgcacatct	gtaccccat	tgatgccag	ggttgattcg	60
gctgatctgg	ctggctaggs	gggtgtccc	ttctccctc	accgtccat	gtgcgtccct	120
cccgaagctg	cgcgctcgg	cgaagrggac	gaccatcccc	gatat		165

<213> Homo sapiens

ccaaaatttc	tgtaaagtc	ttgaaagtc	aggagtaggt	ggtcattcttg	tacatttcag	60
caaagcatcc	actaggaaac	ctcataggac	agtgttagtg	gttcacgttc	tagtggtttt	120
cctgaaatgt	gcaactctact	gtatagtatt	gccacataat	tgtacataga	tgtattctga	180
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<213> Homo sapiens

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acactgggcc	cccgttgccc	ttgagcttta	ccccacagtg	ttcgtgtagc	ctctccaggg	180
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ctctgcttca	gcatacagcg	gggtcctga	gctatagcw	rtgtggctca	tttgaccct	300
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<213> Homo sapiens

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<213> Homo sapiens

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<210> 21578
<211> 415
<212> DNA
<213> Homo sapiens
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6981

<212> DNA

<213> Homo sapiens

<400> 21579

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a						121

<210> 21580

<211> 364

<212> DNA

<213> Homo sapiens

<400> 21580

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tgagttctta	cggatatggg	gtttggggtc	agaaacatct	tgattaaaat	tttgactctg	180
ccattttcta	gcccttttat	gttgggaaag	ctactttttc	tagtctcaat	ttcctcataa	240
taaaatgaaa	atcaattata	agatcgattt	ccataggggt	gtcatgagtt	ttgagtaaaa	300
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<210> 21581

<211> 201

<212> DNA

<213> Homo sapiens

<400> 21581

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ccmtcctgtc	ctcgcgggtgc	cttgctcgcc	aagcgggtccc	ggagcagggt	ttccttcgcg	180
cctccgcgtc	cacccaggcc	c				201

<210> 21582

<211> 285

<212> DNA

<213> Homo sapiens

<400> 21582

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tcgccctctt	taaataccaa	ctcccccttca	ttttcagggt	caaagtcgta	cagagctcgg	180
cagcaggggt	gatccatttg	gacacctgaa	ggtttgggag	tgctgtgctg	ggagagaccc	240
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<210> 21583

<211> 343

<212> DNA

<213> Homo sapiens

<400> 21583

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ggcgaggcag	aggccgcggc	cccaggggat	ccttggcccc	actgtgcacc	acacactcch	120
tttcccagcc	caggggacag	cgaacaaaat	gagggtcaag	ctgaccaggc	cgagccggag	180

gaacgctggg	gcttggcagc	agaagggatg	ggaccagaga	gaaggggtgtg	gaggagaccc	240
cagtgaagggc	caggacattt	caggtaaaga	gaggtaaaga	gaggcccaga	agtcaagggc	300
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 <212> DNA  
 <213> Homo sapiens

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aagctatmtg	cctgccttgg catcccaaag tgttgggatt ataggtatca gccactatac 180
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gctggagtg	agtgccatga tctcagctca ctgcaacctc tgctgtctgg gttcaagcta 300
ttctcctgcc	tcagcctcct gagtagctgg gattacaggc atgcaccacc atgcccggct 360
aattttgtat	tttttagtaga gacgggggtt caccatattg actaggctgg tct 413

<210> 21585  
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 <212> DNA  
 <213> Homo sapiens

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ggataagttt	atgttaataa gtagctatca cagtattcca agccttaaaa cagggttatag 180	
tgtgttctac	aaattcttca tctaaaacag tgctaagcag ctaaaaattt gttgtgcttg 240	
aaaaaactac	ctcctagcta cagaatgttt tttaaaactc aatacactat ttatgttttag 300	
gaaagtgtctg	gccagcgta	319

<210> 21586  
 <211> 117  
 <212> DNA  
 <213> Homo sapiens

<400> 21586	
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ccactttttt	ggtggagaag gaggggaagc aaaagaaaac aaggaagtat gcgaccc 117

<210> 21587  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

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watycaaatg	gaggaagaaa cccacggaga aggagaaata acaggtcgga gtgattatgt 180
acagaaggat	aggctctagc aggagtccag tgggaaagda ggaagggaat acaattaaga 240
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taagaaacac	ttgatatacg aaaaaagcgt gagtgcgaag gaaaatacat cattctacag 360
atgttgacgg	actctgacgg tgggaaagcg tccctcaaga ttgaattgga gtagaagctg 420
accctccac	htgccagag atcccctagc tggatacgat ttcagca 467

<210> 21588

<211> 269

<212> DNA

<213> Homo sapiens

<400> 21588

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tgcctcaacc	gtgagatagg	agagtctctg	gtactagctg	ctgtagcagt	gcccttcac	180
cagggcagtt	aatggagtct	tggaacccct	ctttctctgg	gatccctgcc	cagcaccttc	240
ctatagagat	gactttaaaa	ggaaaaaaa				269

<210> 21589

<211> 465

<212> DNA

<213> Homo sapiens

<400> 21589

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tggtcttagtg	gggaaactgg	ggaccgattc	tggaagtata	ccagcatggg	gagtttggtt	180
ttagatgggt	tgtgtttgac	atagggctag	caattctaag	tgaagatgtc	taaagaaaga	240
tagaagtga	tcagctctga	agttctgaaa	kgatcagccg	tcagcgtggc	atgaggaaga	300
cctaggaaca	gacagactgg	ggagaagaca	cagagccaag	caggacctgg	cctgcagccc	360
aaaccctgtg	gaatccctac	attcaaggac	caggttgaag	tgaagccatt	gacaggaact	420
gagatgcagt	agtgatactc	cctggcctct	gagagctgca	gtcca		465

<210> 21590

<211> 264

<212> DNA

<213> Homo sapiens

<400> 21590

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attttaccta	ttccaatgtc	tcttactgcc	ttcaacattc	atttctgttt	cttttacaca	180
acaccagcct	caatttgtaa	gtgttttttt	gttcgtatat	camtgatttt	gagtttatct	240
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<210> 21591

<211> 164

<212> DNA

<213> Homo sapiens

<400> 21591

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gcgtttctga	tggaatatgg	cggtttcaag	tccccgattc	cgtgcccact	tcacatctcc	120
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<210> 21592

<211> 296

<212> DNA

<213> Homo sapiens



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 aatgcttggt taaagtaatt tgggtggaag atcatcaaag aagccacagg aattgcatga 180  
 gactgtgtgt gtgattcctg gatgtgccca gggcccttct cttttctgta tctcccctac 240  
 cacatttttc acaggggggt agacttttct tgtcccmga atgcaccatg acccct 296

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 <211> 325  
 <212> DNA  
 <213> Homo sapiens

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 cataccactg aatcctaagt gcataaaaata atgtgtgccca tgtagtaaat attactacat 180  
 taatccttaa ctactcgaaa tgcaatttcc tcactactta tggccacagc ctgcatctag 240  
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 cctcttgtca gttnttttcc taatg 325

<210> 21594  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

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 ttaatgtgat actaccaacc tcccatcttt tttttacact agccaaagt ggtcaatanh 180  
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 gtttcttttc ccacttttat aaatcctatt ttgtaaatct catgaacttc tttcttaacg 300  
 ttctctaagb aangckctta ttttatgkat gtdttatcta taatcacgtt acctgcctgr 360  
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 agatttcagt agcttagcat tctagtttct cattcat 457

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 tctgtgggtg tgtaaaattt atactaaaat gtggactatt ttgaaattat aaccattttt 180  
 gatgccctga atcttgaggt gacttatttt gcatagagga tatggataga ccaacagtaa 240  
 ggggttggtg ttataccggc atagagaaat t 271

<210> 21596  
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 <212> DNA  
 <213> Homo sapiens

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agccccgagg	aagggtcacc	ctcctagaga	tagctactac	cccgtctcag	gagaccctgg	180
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acaggacca						249

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 <212> DNA  
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gtggtgtagc	tgaaccagac	aggtctgcag	cgcrgtggtt	tattttttaga	cctgcgttgc	240
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 <212> DNA  
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<212> DNA  
<213> Homo sapiens

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gcagtacttt atagtgtta aaatgagtta tttgataaat atgaggcatt ggatagtt 238

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<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

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aaccaaa 67

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<211> 148  
<212> DNA  
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taattacatg ttctaacatg aaagaggt 148

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<211> 161  
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<213> Homo sapiens

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taccacaca caggaatta tgatgtaact ccccggaac c 161

<210> 21606  
<211> 61  
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<213> Homo sapiens

<400> 21606

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<211> 343

<212> DNA

<213> Homo sapiens

<400> 21607

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<211> 134

<212> DNA

<213> Homo sapiens

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<211> 189

<212> DNA

<213> Homo sapiens

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<211> 232

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acctacagcc atttggcttt gattccctcc atgcttcttg gtgcttccat gcatacttcc	180
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<212> DNA

# THE BIBLE

<213> Homo sapiens

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<213> Homo sapiens

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6989

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gccagagaa gagtttagtg actgaggccg aaaattcaca gcaccaacag aaggaagagg 180  
gtgaggaagc cataaactca ggccaacaag aacctcagca ggaggaatct tgtcaaacag 240  
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<211> 175  
<212> DNA  
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gttttctttc cttatgtcat ctgtgaacat cttgagctgt gagctattaa gtgcatgctt 300  
ccctcaaggn skctgggtcca ttctggacta atgttgaaag atgggatgvn ngggcatgga 360  
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gtacaccttt caacatgaat ggaactgacc actggaggga aagaacaaga aacagcagtg 180  
agaacaagga acaaagacca tccagcccat caccacctg gggggaagtg aggggagatg 240  
ggcaggggtga caacgtggcc aacatctaaa gtgtgaagag gggcttttac caagtgccca 300  
ccccttccc agcagggggc aaccaacagc atctggcggg tctwskactg ggctgcgn 358

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<212> DNA  
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tctgtggcct accatatggt ttatcttggg gaatgttnca tgagctgatg agaagactat 180  
attctgtgtt ttttgatag aatgttctgt aaatatctgt taggtcagtt tgttctagag 240  
tatagcttaa gtccattttt 260

<210> 21624  
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<212> DNA  
<213> Homo sapiens

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tccttaagga aacatagcct cccaccaatt aattcttcta ttcactcgtt aacagatgag 120  
ttattgagga cca 133

<210> 21625  
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<212> DNA  
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cttcgggtggc cctaccgggt accagttctc tctgagaaac tggagatgtc ttgttagcat 180  
aagtgtcttc attcccacct ggagggtttg ggagaggagc aaagcagttg aaaactagtt 240  
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aattggggtg aaacacccac atggcagcct gctagcagca gtgactttga cttctggtct 420  
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<210> 21626  
<211> 392  
<212> DNA  
<213> Homo sapiens

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gcctcggcgg accaaaggat acaagaagct tgaagcggag tcttgcaaca gtgcatcccg 360  
acagcagcaa cctgatcccc aagctttttc ga 392

<210> 21627  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 21627  
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aattaaagta cacattacat gctgattttg tttgtttgta atatttatgc tcagtgggtca 120  
cagtgtacgt ctgatgtggt tttgaacttt tcctttc 157

<210> 21628  
<211> 489  
<212> DNA  
<213> Homo sapiens

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tctggagact ttgttaaagt ttacagcaca gttacagaag agtgtgtaca catactgcat 180  
ggacacagaa atctggtgac tggaaatccag cttaacccca acaaccatct acagctgtat 240  
tcttggtccc ttgatggcac aathaaactg tgggactata tagatggcat cttaataaag 300  
actttcatag ttgatgttaa acttcatgcc ctctttactc ttgcccgaagc tgaggattct 360  
gtctttgtta tagtgaataa agaaaaacca gatatatattc agctgggtttc agtgaactgt 420  
ccaaaatcct caagccagga agtagaagcc aaggagctgt cctttgtttt ggattacata 480  
aaccagtca 489



<210> 21629  
<211> 304  
<212> DNA  
<213> Homo sapiens

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attgtgggtga tggttacatt acagtgtaca tttgggtcaaa actcatagaa ctgtacacca 120  
aaaagcatta attttacttt atgtaagtta aaaaataatg ctttaaaaaat aaatgtagtg 180  
gccaggcgtg ttggctcatg cctgtaatcc cagcactttg ggaggctgag gcgggcggat 240  
cacctgaggt caggagtttg agactagcct ggtaaaccatg gtgaaacctt gtcttttrcg 300  
aaaa 304

<210> 21630  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 21630  
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ttgccttttg gctaaagtca ggttaaatat atatcacttc tgattatgtg ccctcctcaa 180  
caaagacatt tctgtttgtc tacatgtcac gctatgtgat tgacaccaca cgaccctc 238

<210> 21631  
<211> 207  
<212> DNA  
<213> Homo sapiens

<400> 21631  
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tcctactgtg gaattagttc tgtgggggtt aaaaagaaga ataaaacaat aatttttgtc 120  
cccaagaaat gcgtgatcca gtaggttaga gggtcaggtc agtcaccaga gctgagacag 180  
gtctactgag gccagaagtg ggggcta 207

<210> 21632  
<211> 120  
<212> DNA  
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<400> 21632  
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<210> 21633  
<211> 109  
<212> DNA  
<213> Homo sapiens

<400> 21633  
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<210> 21634

<211> 284  
<212> DNA  
<213> Homo sapiens

<400> 21634  
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tccctttgcc tgaacacctc tcatactatg tctgcttagc agtgtagcaa cacttaagga 120  
aatatgtagc aagcaataga cagtgtcaag ctgtcacatt accwgagata atttttaaga 180  
cttaagactt cacaatatga acttaataac ctctttgccc taattattct gcttccaatg 240  
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<210> 21635  
<211> 109  
<212> DNA  
<213> Homo sapiens

<400> 21635  
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aatggaaaat tatttttaat cacattggaa tcacaaacag tagccccc 109

<210> 21636  
<211> 197  
<212> DNA  
<213> Homo sapiens

<400> 21636  
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tttcttgtga atatatgctt ctgtttgctt tgagtaaaca cttaggagtg ggactgttgg 180  
gctgcgtagt aggtgga 197

<210> 21637  
<211> 285  
<212> DNA  
<213> Homo sapiens

<400> 21637  
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ggcagatcac cgagcccaag agttcaagac aatcctggcc agcggcgaaa ctctgtctct 120  
acaaaaaata tacaggcgtg ttggcatgtg cctgtggtcc cggcttcttg ggaggctgag 180  
gcacgagaat tgcctgaacc cgggaggtgg aggttgcagt gagctgggat cgcgccattg 240  
cactccagcc tggctgacag arcgagactg tctctaaaaa aaaaa 285

<210> 21638  
<211> 347  
<212> DNA  
<213> Homo sapiens

<400> 21638  
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ataaagtcac gggttctgcc ctctttgata tctgtatttg ttcgttttca cgctcctgat 120  
aaaggcatac ccaggactgg gtaatttata aagaaaaagt ttaacaaact aacagttcca 180  
catgtctgga gaggcctcac aatcatggca gaaggcgaaa ggcattgtctt acatggcagc 240  
agacaagaga gaatgagaac caagcaaaag gggtttctcc cttataaaaa ccatcagatc 300

ttgtgagact tattcactac cacaagaacc agtttccatg gtggaaa 347

<210> 21639  
<211> 171  
<212> DNA  
<213> Homo sapiens

<400> 21639  
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gcacaattat tattggctat agtcatacta ttgtgctgtc aaatagtagg tcttaattca 120  
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<210> 21640  
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<212> DNA  
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<400> 21640  
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ggtatagcat tagtgagaca gtcccaactg agaaatgtga tggagcactc agtgtgtagt 180  
aggtactgcc tccagacatg ggaattcagg aatgtgaggc atgcctcctg ccctcagtga 240  
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<210> 21641  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 21641  
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aggtagagat gggagatgc 79

<210> 21642  
<211> 186  
<212> DNA  
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<400> 21642  
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ccaaactgct tatgtgtaaa atgtatctac tttttacaca tcatcatgca accatcacta 180  
ccacc 186

<210> 21643  
<211> 249  
<212> DNA  
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<400> 21643  
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taccgctagc gaggtgatag gacatctggc ttgccacaaa ggtctgttcg accagacata 180  
tcctagctaa gggatgtcca aacatcagaa tgtgaggcca accttctatc agagttaaac 240

ttttgacaa 249

<210> 21644  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 21644  
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ccccagactg cagcatgctg tgctctgcag ctggagagaa gtcgggtcttt ctatggagca 120  
tgaggctcta cacgtwaatt cggaagctag agggccatca aagcagtgtt gtctcttgtg 180  
acttcccccc c 191

<210> 21645  
<211> 431  
<212> DNA  
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<400> 21645  
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tttatcttcc c 431

<210> 21646  
<211> 136  
<212> DNA  
<213> Homo sapiens

<400> 21646  
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cttccttcca tctcr 136

<210> 21647  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 21647  
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gaaatcacct catgatgcat ttctcagaac atatctgata tggtttggtt gtgtccccac 120  
ccaagtccca tcttgaaatt gtagctccct ag 152

<210> 21648  
<211> 344  
<212> DNA  
<213> Homo sapiens

<400> 21648



<210> 21653  
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<212> DNA  
<213> Homo sapiens

<400> 21653  
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ctt 123

<210> 21654  
<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 21654  
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gccttcttcc cca 73

<210> 21655  
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<212> DNA  
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<400> 21655  
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cctgcggctc tggatatcag ccatgaagtg ggaccccaca gtctgtgctc ttctcatgga 180  
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ctttgggctg tgctgagtct cactgtccac ccccga 277

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<211> 255  
<212> DNA  
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catttttctt tctgacgttc gtaccttaaa atatttgaag aaaataaaact atttcatkgt 120  
kgtcagaaat gtagttcttt tattttctctg cccctctccc ctttctaagt ttctagaatg 180  
tcaagtaggt agaacataga tgctcctttt aggatctttt gctgtgaaat ggtccacagg 240  
tgaatggcag caacg 255

<210> 21657  
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<212> DNA  
<213> Homo sapiens

<400> 21657  
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<211> 187  
 <212> DNA  
 <213> Homo sapiens

<400> 21662  
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 aatttattaa agttccaaag tcggtcgcgc gcagtggctc acgcctgtaa tctcaacact 180  
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<210> 21663  
 <211> 301  
 <212> DNA  
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 acaaaaaata tacaggcgtg ttggcatgtg cctgtggtcc cggcttcttg ggaggctgag 180  
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<210> 21664  
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 <212> DNA  
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 ggtcccagac aagaggaaga att 203

<210> 21665  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

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<210> 21666  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 21666